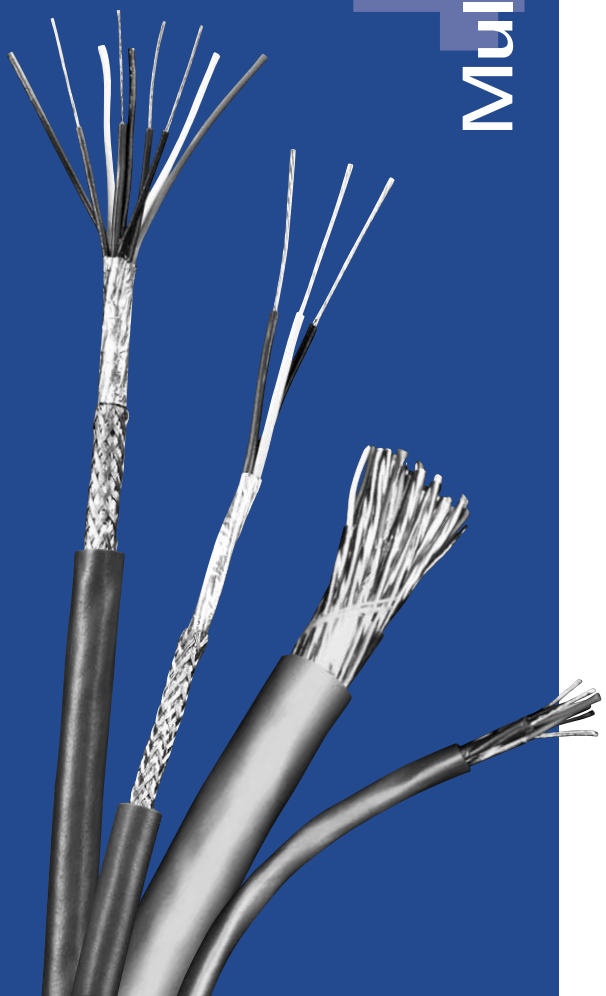
BELDEN
SENDING ALL THE RIGHT SIGNALS

4 Multi-Conductor Cables



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Please refer to "Terms of Use of Master Catalog" on page 23.22.

Introduction

Multi Applications Demand Multiple Choice

When the applications are many and the systems different, cable flexibility is vital. Choice means the ability to meet every requirement and every contingency, because every system has different requirements.

Belden's multi-conductor cables meet the technical requirements of many different types of systems. In fact, Belden offers one of the broadest lines of UL-Listed, NEC and CEC multi-conductor cables available from any single source.

Key Applications

- Computers
- Communications
- Instrumentation
- Sound
- Control
- Audio
- Data transmission

Special Features

- Belden multi-conductor cables are offered in many variations including plenum and high-temperature versions. Variations include:
  - Gage sizes
  - Dimensions
  - Insulation materials
  - Shielding configurations
  - Jacketing materials
- Each cable is designed to protect signal integrity under critical conditions by reducing hum, noise, and crosstalk.
- Belden's unique UnReel® cable dispenser is available for many of the multi-conductor products listed in this section. The letter "U" before the specified put-up length denotes UnReel® packaging.
- Extended temperature and chemical resistant cable range: a broad range of cables suitable for application in the temperature range from -100°C up to +1550°C.

Availability

Most of our multi-conductor cables are available from stock. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find a multi-conductor cable in this catalog section that meets your technical requirements, see our U.S. Master Catalog or contact technical support at +31-77-3875-414 or techsupport.venlo@belden.com.

Selection Guide: Shielded Multi-Conductor Computer Cables for RS-232 Applications

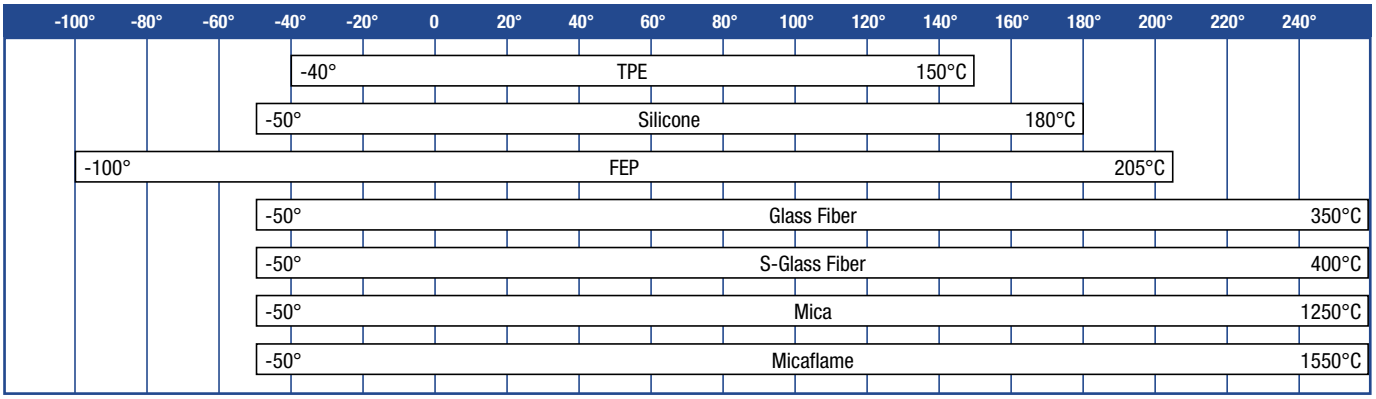
Specifications			Cable Series* 9925	9608	9533	9939
Conductor Size: (AWG)		28				
		24	✓	✓	✓	
		22				✓
		20				
		18				
		Page No.	4.11	4.9	4.6	4.10
Insulation:	S-R PVC			✓	✓	✓
	Polyethylene					
	Polypropylene					
	Datalene®†		✓			
Shield:	Overall Foil				✓	
	Drain Wire		✓		✓	
	Overall Foil/Braid		✓	✓		✓
	Braid Coverage		65%	65%		65%
Drain Wire Overall:			Yes	No	Yes	No
No. of Cond. Available:		1				
		2				
		3	✓	✓	✓	✓
		4	✓	✓	✓	✓
		5	✓	✓	✓	✓
		6	✓	✓	✓	✓
		7	✓	✓	✓	✓
		8	✓	✓	✓	✓
		9	✓	✓	✓	✓
		10	✓	✓	✓	✓
		11				
		12				
		13				
		15	✓	✓	✓	✓
		17				
		18				
		19				
		20			✓	
		25	✓	✓	✓	✓
		27				
		30			✓	
		31				
		37	✓	✓		✓
		40			✓	
		50		✓	✓	✓
Capacitance** (pF/m)			39.4	98.4	98.4	114.8

* All cables are UL-Listed.
** Capacitance may vary on some cables.
† Foam high density polyethylene.

Introduction

To assist you in selecting the proper cable for your application, both the suggested working voltages and the maximum temperature ratings are indicated for each applicable product in this section.

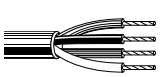
Extended Temperature and Chemical Resistant Cable Range
Nominal Temperature Operating Ranges (°C)



Index by Voltage and Temperature Rating

Unshielded

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Conductors Cabled													
PVC Insulation • Chrome PVC Jacket													
150V 80°C UL AWM Style 2576		NEC: CMG CEC: CMG FT4					0.76 mm 22 AWG (7x30) TC	0.060	1.52	Unshielded			
													
	8442	2 CDR*	100 U-500 500 U-1000 1000 † 10000	31 U-152 152 U-305 305 3048	2.4 8.2 7.5 15.0 15.0 150.4	1.1 3.7 3.4 6.8 6.8 68.2					0.170	4.32	Black, Red
	For Plenum version of 8442, see 88442 or 82442.												
	8443	3 CDR	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	2.6 9.5 9.5 18.1 18.1	1.2 4.3 4.3 8.2 8.2					0.172	4.37	Black, Red, Green
	8444	4 CDR	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	3.1 11.5 11.5 22.0 23.1	1.4 5.2 5.2 10.0 10.5					0.185	4.70	see chart 1 (Tech Info Section)
	For Plenum version of 8444, see 88444 or 82444.												
	8445	5 CDR	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	3.5 13.4 13.4 25.1 26.0	1.6 6.1 6.1 11.4 11.8					0.194	4.93	see chart 1 (Tech Info Section)
	9430	7 CDR	U-500 500 U-1000 1000	U-152 152 U-305 305	17.0 17.0 32.0 35.1	7.7 7.7 14.5 15.9					0.214	5.44	see chart 1 (Tech Info Section)
	9421	8 CDR	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	4.2 19.2 18.5 35.9 37.9	1.9 8.7 8.4 16.3 17.2					0.229	5.82	see chart 1 (Tech Info Section)
	9423	9 CDR	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	4.6 21.2 21.6 41.0 43.0	2.1 9.6 9.8 18.6 19.5					0.244	6.20	see chart 1 (Tech Info Section)
	8456	10 CDR	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	5.1 22.5 23.1 44.1 46.1	2.3 10.2 10.5 20.0 20.9					0.264	6.71	see chart 1 (Tech Info Section)
18 AWG • Stranded (19x30) 1.2 mm Tinned Copper • Conductors Cabled													
Plenum • FEP Insulation • Natural Flamarrest® Jacket													
Non-conduit	**82489**	NEC: CMP CEC: CMP FT6	† U-1000 † 1000	U-305 305	31.1 29.1	14.1 13.2	1.24 mm 18 AWG (19x30) TC	0.063	1.60	Unshielded	0.170	4.32	Black, White, Red, Green
													
4-Conductor													

TC = Tinned Copper • DCR = DC resistance
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel® from length shown.
* Twisted Pair

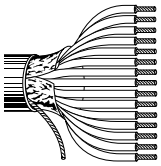
Unshielded
Duplex Primary Wire

Description	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	
Duplex Primary Wire Stranded Bare Copper • Conductors Parallel													
PVC Insulation • Chrome PVC Jacket													
300V RMS 75°C VW-1										Unshielded			Brown, Red
													
	8677	2 CDR	500	152	18.5	8.4	1.47 mm 16 AWG (19x29) BC	0.106	2.69		0.149 x 0.254	3.78 x 6.45	
	8675	2 CDR	500	152	23.6	10.7	1.85 mm 14 AWG (19x27) BC	0.119	3.01		0.168 x 0.290	4.27 x 7.37	
	8673	2 CDR	500	152	32.6	14.8	2.36 mm 12 AWG (19x25) BC	0.145	3.68		0.186 x 0.328	4.72 x 8.33	
	8678	2 CDR	500	152	50.9	23.1	2.9 mm 10 AWG (19x23) BC	0.176	4.48		0.225 x 0.400	5.72 x 10.16	

BC = Bare Copper • DCR = DC resistance

Overall Beldfoil® Shield

Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded (7x32) 0.6 mm Tinned Copper • Conductors Cabled • Overall **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire																	
Semi-Rigid PVC Insulation • Chrome PVC Jacket																	
300V 80°C UL AWM Style 2464		NEC: CMG CEC: CMG FT4					0.61 mm 24 AWG (7x32) TC	0.044	1.11	Overall Beldfoil® + Drain Wire (24 AWG TC)			–				see chart 1 (Tech Info Section)
																	
	9533	3 CDR	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	2.6 9.5 9.0 18.1 18.1	1.2 4.3 4.1 8.2 8.2					0.162	4.11		CDR/CDR CDR/SCR	33 65	108 213	
	9534	4 CDR	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	3.1 11.0 11.5 20.9 22.0	1.4 5.0 5.2 9.5 10.0					0.184	4.67		CDR/CDR CDR/SCR	33 65	108 213	
	9535	5 CDR	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	3.3 11.9 11.0 22.9 22.0	1.5 5.4 5.0 10.4 10.0					0.189	4.80		CDR/CDR CDR/SCR	33 65	108 213	
	9536	6 CDR	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	3.5 14.6 12.6 27.1 29.1	1.6 6.6 5.7 12.3 13.2					0.209	5.31		CDR/CDR CDR/SCR	33 65	108 213	
	9537	7 CDR	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	3.7 15.0 13.7 29.1 30.2	1.7 6.8 6.2 13.2 13.7					0.209	5.31		CDR/CDR CDR/SCR	33 65	108 213	
	9538	8 CDR	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	3.7 17.0 15.0 32.2 34.0	1.7 7.7 6.8 14.6 15.4					0.224	5.69		CDR/CDR CDR/SCR	33 65	108 213	
	9539	9 CDR	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	4.2 20.1 17.2 37.3 38.1	1.9 9.1 7.8 16.9 17.3					0.244	6.20		CDR/CDR CDR/SCR	30 55	98 180	
	9540	10 CDR	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	4.4 19.6 18.1 37.9 36.2	2.0 8.9 8.2 17.2 16.4					0.244	6.20		CDR/CDR CDR/SCR	30 55	98 180	

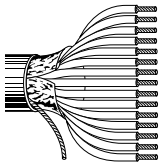
TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Overall Beldfoil® Shield

Computer Cables for EIA RS-232 Applications

24 AWG • Stranded (7x32) 0.6 mm TC • Conductors Cabled • Overall **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire *(continued)*

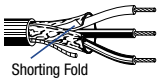
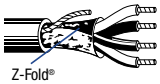
Semi-Rigid PVC Insulation • Chrome PVC Jacket

Description	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
300V 80°C UL AWM Style 2464		NEC: CMG CEC: CMG FT4					0.61 mm 24 AWG (7x32) TC	0.044	1.11	Overall Beldfoil® + Drain Wire (24 AWG TC)			–				see chart 2R (Tech Info Section)
																	
9541	15 CDR		100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	6.0 27.6 28.0 54.0 56.0	2.7 12.5 12.7 24.5 25.4					0.284	7.21		CDR/CDR CDR/SCR	30 55	98 180	
9542	20 CDR		100 U-500 500 1000	31 U-152 152 305	7.3 34.0 35.5 69.0	3.3 15.4 16.1 31.3					0.314	7.98		CDR/CDR CDR/SCR	30 55	98 180	
9543	25 CDR		100 500 1000	31 152 305	8.8 44.1 86.0	4.0 20.0 39.0					0.339	8.61		CDR/CDR CDR/SCR	30 55	98 180	
9544	30 CDR		100 500 1000	31 152 305	10.4 51.6 102.1	4.7 23.4 46.3					0.380	9.65		CDR/CDR CDR/SCR	30 55	98 180	
9545	40 CDR		100 500 1000	31 152 305	13.4 65.0 130.1	6.1 29.5 59.0					0.430	10.92		CDR/CDR CDR/SCR	30 55	98 180	
9546	50 CDR		100 500 1000	31 152 305	16.3 81.6 168.2	7.4 37.0 76.3					0.490	12.45		CDR/CDR CDR/SCR	30 55	98 180	

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
20 AWG • Stranded (7x28) 1.0 mm Tinned Copper • Conductors Cabled • Overall **Beldfoil®** Shield • 20 AWG Tinned Copper Drain Wire																	
Polyethylene Insulation • Chrome PVC Jacket																	
300V 60°C UL AWM Style 2093	**8772**	NEC: CM CEC: CM	U-500 500 U-1000 1000	U-152 152 U-305 305	16.1 16.1 31.1 32.0	7.3 7.3 14.1 14.5	0.96 mm 20 AWG (7x28) TC	0.070	1.78	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.218	5.54	–	CDR/CDR CDR/SCR	27 51	89 167	Black, Red, Clear
 Z-Fold®																	
3 CDR																	
18 AWG • Stranded (16x30) 1.2 mm Tinned Copper • Conductors Cabled • Overall **Beldfoil®** Shield • 20 AWG Tinned Copper Drain Wire																	
Polyethylene Insulation • Chrome PVC Jacket																	
300V 60°C UL AWM Style 2093	**8770**	NEC: CM CEC: CM †† 10000	U-500 500 U-1000 1000	U-152 152 U-305 305 3048	20.1 20.5 37.9 40.1 431.0	9.1 9.3 17.2 18.2 195.5	1.20 mm 18 AWG (16x30) TC	0.083	2.12	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.246	6.25	–	CDR/CDR CDR/SCR	24 48	79 157	Black, Red, Clear
 Shorting Fold																	
For Plenum version of 8770, see 88770.																	
3 CDR																	
18 AWG • Stranded (19x30) 1.2 mm Tinned Copper • Conductors Cabled • Overall **Beldfoil®** Shield • 20 AWG Tinned Copper Drain Wire																	
Semi-Rigid PVC Insulation • Chrome PVC Jacket																	
300V 80°C UL AWM Style 2464	**9418**	NEC: CMG CEC: CMG FT4	100 U-500 500 U-1000 1000 †† 10000	31 U-152 152 U-305 305 3048	5.7 18.1 24.5 35.3 52.2 509.9	2.6 8.2 11.1 16.0 23.7 231.3	1.24 mm 18 AWG (19x30) TC	0.069	1.74	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.245	6.22	–	CDR/CDR CDR/SCR	70 120	230 394	Red, Green, Black, White
 Z-Fold®																	
For Plenum versions of 9418, see 89418 or 82418.																	
4 CDR																	

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors
†† Final put-up may vary -10% to +20%. May contain 2 pieces. Min. length 460 m.

Overall Foil/Braid Shield

Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded Conductors (7x32) 0.6 mm Tinned Copper • Overall **Beldfoil®** Shield + 65 % Tinned Copper Braid																	
Semi-Rigid PVC Insulation • Chrome PVC Jacket																	
300V 80°C UL AWM Style 2464		NEC: CMG CEC: CMG FT4					0.61 mm 24 AWG (7x32) TC	0.044	1.12	Overall Beldfoil® + Overall 65 % TC Braid			–				
 Z-Fold®																	
	9608	3 CDR	100 500 1000	31 152 305	3.1 11.9 22.9	1.4 5.4 10.4					0.190	4.83		CDR/CDR CDR/SCR	35 65	115 213	see chart 1 (Tech Info Section)
	9609	4 CDR	100 500 1000	31 152 305	3.5 13.4 26.0	1.6 6.1 11.8					0.200	5.08		CDR/CDR CDR/SCR	35 65	115 213	see chart 1 (Tech Info Section)
	9610	5 CDR	100 500 1000	31 152 305	4.0 16.1 32.0	1.8 7.3 14.5					0.215	5.46		CDR/CDR CDR/SCR	35 65	115 213	see chart 1 (Tech Info Section)
	9611	6 CDR	100 500 1000	31 152 305	4.2 17.0 34.0	1.9 7.7 15.4					0.225	5.72		CDR/CDR CDR/SCR	30 55	98 180	see chart 1 (Tech Info Section)
	9612	7 CDR	100 500 1000	31 152 305	4.2 18.5 38.1	1.9 8.4 17.3					0.225	5.72		CDR/CDR CDR/SCR	30 55	98 180	see chart 1 (Tech Info Section)
	9613	8 CDR	100 500 1000	31 152 305	4.4 20.9 41.0	2.0 9.5 18.6					0.240	6.10		CDR/CDR CDR/SCR	30 55	88 180	see chart 1 (Tech Info Section)
	9614	9 CDR	100 500 1000	31 152 305	4.9 22.0 44.1	2.2 10.0 20.0					0.253	6.43		CDR/CDR CDR/SCR	30 55	98 180	see chart 1 (Tech Info Section)
	9615	10 CDR	100 500 1000	31 152 305	5.5 25.1 50.0	2.5 11.4 22.7					0.270	6.86		CDR/CDR CDR/SCR	30 55	98 180	see chart 1 (Tech Info Section)
	9616	15 CDR	100 500 1000	31 152 305	6.6 31.5 63.1	3.0 14.3 28.6					0.300	7.62		CDR/CDR CDR/SCR	30 55	98 180	see chart 2R (Tech Info Section)
	9617	25 CDR	100 500 1000	31 152 305	10.1 49.6 100.1	4.6 22.5 45.4					0.370	9.40		CDR/CDR CDR/SCR	30 55	98 180	see chart 2R (Tech Info Section)
	9618	37 CDR	100 500 1000	31 152 305	13.2 66.6 135.1	6.0 30.2 61.3					0.411	10.43		CDR/CDR CDR/SCR	30 55	98 180	see chart 2R (Tech Info Section)
	9619	50 CDR	100 500 1000	31 152 305	17.2 93.0 182.1	7.8 42.2 82.6					0.485	12.32		CDR/CDR CDR/SCR	30 55	98 180	see chart 2R (Tech Info Section)

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Overall Foil / Braid Shield

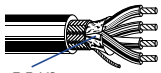
Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
22 AWG • Stranded Conductors (7x30) 0.8 mm Tinned Copper • Overall **Beldfoil®** Shield + 65 % Tinned Copper Braid																	
Semi-Rigid PVC Insulation • Chrome PVC Jacket																	
300V 80°C UL AWM Style 2464		NEC: CMG CEC: CMG FT4					0.76 mm 22 AWG (7x30) TC	0.051	1.30	Overall Beldfoil® + Overall 65 % TC Braid			–				
 Z-Fold®																	
9939	3 CDR	100 500 1000	31 152 305	3.5 12.1 24.0	1.6 5.5 10.9					0.202	5.13		CDR/CDR CDR/SCR	37 67	121 220	see chart 1 (Tech Info Section)
9940	4 CDR	100 500 1000	31 152 305	4.0 14.6 32.0	1.8 6.6 14.5					0.215	5.46		CDR/CDR CDR/SCR	37 67	121 220	see chart 1 (Tech Info Section)
9941	5 CDR	100 500 1000	31 152 305	4.0 16.1 38.1	1.8 7.3 17.3					0.230	5.84		CDR/CDR CDR/SCR	37 67	121 220	see chart 1 (Tech Info Section)
9942	6 CDR	100 500 1000	31 152 305	4.6 22.0 43.0	2.1 10.0 19.5					0.245	6.22		CDR/CDR CDR/SCR	35 63	115 207	see chart 1 (Tech Info Section)
9943	7 CDR	100 500 1000	31 152 305	5.1 23.8 46.1	2.3 10.8 20.9					0.245	6.22		CDR/CDR CDR/SCR	35 63	115 207	see chart 1 (Tech Info Section)
9944	8 CDR	100 500 1000	31 152 305	5.5 26.0 52.0	2.5 11.8 23.6					0.260	6.60		CDR/CDR CDR/SCR	35 63	115 207	see chart 1 (Tech Info Section)
9945	9 CDR	100 500 1000	31 152 305	6.2 28.4 57.1	2.8 12.9 25.9					0.280	7.11		CDR/CDR CDR/SCR	35 63	115 207	see chart 1 (Tech Info Section)
9946	10 CDR	100 500 1000	31 152 305	6.6 31.5 61.9	3.0 14.3 28.1					0.300	7.62		CDR/CDR CDR/SCR	35 63	115 207	see chart 1 (Tech Info Section)
9947	15 CDR	100 500 1000	31 152 305	8.8 42.5 83.1	4.0 19.3 37.7					0.340	8.64		CDR/CDR CDR/SCR	35 63	115 207	see chart 2R (Tech Info Section)
9948	25 CDR	100 500 1000	31 152 305	13.3 66.6 132.1	6.0 30.2 59.9					0.410	10.41		CDR/CDR CDR/SCR	35 63	115 207	see chart 2R (Tech Info Section)
9949	37 CDR	100 500 1000	31 152 305	16.1 87.5 180.1	7.3 39.7 81.7					0.460	11.68		CDR/CDR CDR/SCR	35 63	115 207	see chart 2R (Tech Info Section)
9950	50 CDR	100 500 1000	31 152 305	25.1 118.2 238.3	11.4 53.6 108.1					0.555	14.10		CDR/CDR CDR/SCR	35 63	115 207	see chart 2R (Tech Info Section)

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-423 Applications

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded Conductors (7x32) 0.6 mm Tinned Copper • Overall **Beldfoil®** Shield + 65% Tinned Copper Braid • 24 AWG TC Drain Wire																	
Datalene® Insulation • Chrome PVC Jacket																	
30V 80°C UL AWM Style 2919		NEC: CM CEC: CM					0.61 mm 24 AWG (7x32) TC	0.053	1.35	Overall Beldfoil® + Overall 65% TC Braid + Drain Wire (24 AWG TC)			78%				
 Z-Fold®																	
9925	3 CDR		100 500 1000	31 152 305	3.5 12.1 24.0	1.6 5.5 10.9					0.215	5.46		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9927	4 CDR		100 500 1000	31 152 305	3.5 14.6 32.0	1.6 6.6 14.5					0.230	5.84		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9929	5 CDR		100 500 1000	31 152 305	4.0 16.1 35.9	1.8 7.3 16.3					0.246	6.25		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9931	6 CDR		100 500 1000 10000	31 152 305 3048	4.2 17.6 39.0 410.3	1.9 8.0 17.7 186.1					0.265	6.73		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9932	7 CDR		100 500 1000	31 152 305	4.4 18.5 41.0	2.0 8.4 18.6					0.265	6.73		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9633	8 CDR		100 500 1000 10000	31 152 305 3048	4.9 21.2 46.1 480.4	2.2 9.6 20.9 217.9					0.280	7.11		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9934	9 CDR		100 500 1000	31 152 305	5.3 22.0 48.1	2.4 10.0 21.8					0.300	7.62		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9935	10 CDR		100 500 1000	31 152 305	5.7 28.0 53.1	2.6 12.7 24.1					0.306	7.77		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9636	15 CDR		100 500 1000	31 152 305	7.3 35.1 68.1	3.3 15.9 30.9					0.350	8.89		CDR/CDR CDR/SCR	12 22	39 72	see chart 2R (Tech Info Section)
9937	25 CDR		100 500 1000	31 152 305	9.9 54.7 108.0	4.5 24.8 49.0					0.445	11.30		CDR/CDR CDR/SCR	12 22	39 72	see chart 2R (Tech Info Section)
9938	37 CDR		100 500 1000	31 152 305	13.0 71.6 139.1	5.9 32.5 63.1					0.500	12.70		CDR/CDR CDR/SCR	12 22	39 72	see chart 2R (Tech Info Section)

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Overall Foil / Braid Shield

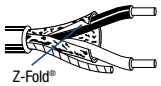
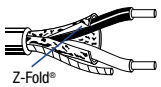
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded Conductors (7x32) 0.6 mm Tinned Copper • Conductors Cabled • Overall **Beldfoil®** Shield + 85 % Tinned Copper Braid																	
Plenum • FEP Insulation • Red FEP Jacket																	
300V RMS Non-conduit		NEC: CMP CEC: CMP FT6					0.61 mm 24 AWG (7x32) TC	0.036	0.91	Overall Beldfoil® + Overall 85 % TC Braid			–				see chart 2 (Tech Info Section)
																	
83503	3 CDR	† 500 † 1000	152 305	9.5 16.1	4.3 7.3						0.135	3.43		CDR/CDR CDR/SCR	20 36	66 118	
83504	4 CDR	100 † 500 † 1000	31 152 305	3.5 10.1 20.1	1.6 4.6 9.1						0.144	3.66		CDR/CDR CDR/SCR	20 36	66 118	
83506	6 CDR	† 500 † 1000	152 305	13.2 26.2	6.0 11.9						0.165	4.19		CDR/CDR CDR/SCR	20 36	66 118	
22 AWG • Stranded Conductors (7x30) 0.8 mm Tinned Copper • Conductors Cabled • Overall **Beldfoil®** Shield + 85 % Tinned Copper Braid																	
Plenum • FEP Insulation • Red FEP Jacket																	
300V RMS Non-conduit		NEC: CMP CEC: CMP FT6					0.76 mm 22 AWG (7x30) TC	0.042	1.06	Overall Beldfoil® + Overall 85 % TC Braid			–				see chart 2 (Tech Info Section)
																	
83552	2 CDR	† 500 † 1000	152 305	8.2 16.1	3.7 7.3						0.141	3.58		CDR/CDR CDR/SCR	23 40	75 131	
83553	3 CDR	100 † 500 † 1000	31 152 305	3.5 11.5 20.1	1.6 5.2 9.1						0.148	3.76		CDR/CDR CDR/SCR	23 40	75 131	
83554	4 CDR	100 † 500 † 1000	31 152 305	4.0 12.6 25.1	1.8 5.7 11.4						0.159	4.04		CDR/CDR CDR/SCR	23 40	75 131	
83556	6 CDR	100 † 500 † 1000	31 152 305	5.3 16.5 35.9	2.4 7.5 16.3						0.183	4.65		CDR/CDR CDR/SCR	23 40	75 131	
83559	9 CDR	100 † 500 † 1000	31 152 305	6.8 23.1 50.0	3.1 10.5 22.7						0.209	5.31		CDR/CDR CDR/SCR	23 40	75 131	
83562	12 CDR	† 500 † 1000	152 305	28.7 60.0	13.0 27.2						0.234	5.94		CDR/CDR CDR/SCR	23 40	75 131	
83569	19 CDR	100 † 500 † 1000	31 152 305	9.7 44.1 85.1	4.4 20.0 38.6						0.269	6.83		CDR/CDR CDR/SCR	23 40	75 131	

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors
† Spools are one piece, but length may vary ± 10% from length shown.

Fire Alarm

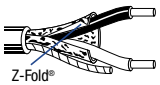
Power-Limited Fire Protective Signaling Circuit Cables
Subject 1424 (NEC Article 760, Type FPLR)

Description	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
18 AWG • Solid 1.0 mm Bare Copper • Conductors Cabled													
PVC Insulation • Red PVC Jacket													
300V 105°C UL AWM Style 2464 & 1424	**9571**	NEC: MPR, FPLR CEC: FAS 105 FT4	U-500 U-1000	U-152 U-305	14.6 28.0	6.6 12.7	1.02 mm 18 AWG Solid BC	0.074	1.88	Unshielded	0.228	5.79	Black, Red
													
2 CDR													
18 AWG • Solid 1.0 mm Bare Copper • Conductors Cabled • Overall **Beldfoil®** Shield • 22 AWG Tinned Copper Drain Wire													
PVC Insulation • Red PVC Jacket													
300V 105°C UL AWM Style 2464 & 1424		NEC: MPR, FPLR CEC: FAS 105 FT4					1.02 mm 18 AWG Solid BC	0.074	1.88	Overall Beldfoil® + Drain Wire (22 AWG TC)			
 Z-Fold®													
	9574	2 CDR	U-500 U-1000	U-152 U-305	16.1 31.1	7.3 14.1					0.231	5.87	Black, Red
	9578	4 CDR	U-500 1000	U-152 305	25.6 51.1	11.6 23.2					0.263	6.68	Black, Red, Yellow, Light Blue
16 AWG • Solid 1.3 mm Bare Copper • Conductors Cabled													
PVC Insulation • Red PVC Jacket													
300V 105°C UL AWM Style 2464 & 1424	**9572**	NEC: MPR, FPLR CEC: FAS 105 FT4	U-500 U-1000	U-152 U-305	18.1 35.1	8.2 15.9	1.29 mm 16 AWG Solid BC	0.087	2.21	Unshielded	0.250	6.35	Black, Red
													
2 CDR													
16 AWG • Solid 1.3 mm Bare Copper • Conductors Cabled • Overall **Beldfoil®** Shield • 22 AWG Tinned Copper Drain Wire													
PVC Insulation • Red PVC Jacket													
300V 105°C UL AWM Style 2464 & 1424		NEC: MPR, FPLR CEC: FAS 105 FT4					1.29 mm 16 AWG Solid BC	0.087	2.21	Overall Beldfoil® + Drain Wire (22 AWG TC)			
 Z-Fold®													
	9575	2 CDR	U-500 U-1000	U-152 U-305	20.1 39.0	9.1 17.7					0.253	6.43	Black, Red
	9579	4 CDR	U-500 1000	U-152 305	35.5 72.1	16.1 32.7					0.301	7.65	Black, Red, Yellow, Light Blue

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

Fire Alarm

Power-Limited Fire Protective Signaling Circuit Cables
Subject 1424 (NEC Article 760, Type FPLR)

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	
14 AWG • Solid 1.6 mm Bare Copper • Conductors Cabled													
PVC Insulation • Red PVC Jacket													
300V 105°C UL Style 1424	**9580**	NEC: FPLR CEC: FAS 105 FT4	U-500 1000	U-152 305	27.1 54.0	12.3 24.5	1.63 mm 14 AWG Solid BC	0.108	2.75	Unshielded	0.306	7.77	Black, Red
 2 CDR													
14 AWG • Solid 1.6 mm Bare Copper • Conductors Cabled • Overall **Beldfoil®** Shield • 16 AWG Tinned Copper Drain Wire													
PVC Insulation • Red PVC Jacket													
300V 105°C UL Style 1424	**9581**	NEC: FPLR CEC: FAS 105 FT4	U-500 1000	U-152 305	32.4 65.0	14.7 29.5	1.63 mm 14 AWG Solid BC	0.108	2.75	Overall Beldfoil® + Drain Wire (16 AWG TC)	0.306	7.77	Black, Red
 2 CDR													
12 AWG • Solid 2.1 mm Bare Copper • Conductors Cabled													
PVC Insulation • Red PVC Jacket													
300V 105°C UL Style 1424	**9582**	NEC: FPLR CEC: FAS 105 FT4	1000	305	75.2	34.1	2.05 mm 12 AWG Solid BC	0.125	3.17	Unshielded	0.340	8.64	Black, Red
 2 CDR													
12 AWG • Solid 2.1 mm Bare Copper • Conductors Cabled • Overall **Beldfoil®** Shield • 16 AWG Tinned Copper Drain Wire													
PVC Insulation • Red PVC Jacket													
300V 105°C UL Style 1424	**9583**	NEC: FPLR CEC: FAS 105 FT4	1000	305	85.1	38.6	2.05 mm 12 AWG Solid BC	0.125	3.17	Overall Beldfoil® + Drain Wire (16 AWG TC)	0.343	8.71	Black, Red
 Z-Fold® 2 CDR													

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

TPE
Multicore Cables
300V, 150°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
150°C • 18 - 16 AWG • Stranded Tinned Copper													
TPE Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Black TPE Jacket**													
										Unshielded			- Traffic and automotive - Installations in buildings - Instrumentation engineering - Robotics - Tool and mechanical engineering
Also available on request with Bare Copper conductor for 135°C.													
HMC0001	2	1640	500	32.0	14.5	(24x0.20) TC	18	0.75			0.165	4.20	
HMC0002	3	1640	500	39.7	18.0	(24x0.20) TC	18	0.75			0.177	4.50	
HMC0003	4	1640	500	51.8	23.5	(24x0.20) TC	18	0.75			0.201	5.10	
HMC0004	5	1640	500	65.0	29.5	(24x0.20) TC	18	0.75			0.220	5.60	
HMC0005	7	1640	500	82.7	37.5	(24x0.20) TC	18	0.75			0.240	6.10	
HMC0006	2	1640	500	40.8	18.5	(32x0.20) TC	17	1.00			0.189	4.80	
HMC0007	3	1640	500	51.8	23.5	(32x0.20) TC	17	1.00			0.201	5.10	
HMC0008	4	1640	500	63.9	29.0	(32x0.20) TC	17	1.00			0.217	5.50	
HMC0009	5	1640	500	77.2	35.0	(32x0.20) TC	17	1.00			0.240	6.10	
HMC0010	7	1640	500	105.8	48.0	(32x0.20) TC	17	1.00			0.268	6.80	
HMC0011	2	1640	500	52.9	24.0	(30x0.25) TC	16	1.50			0.209	5.30	
HMC0012	3	1640	500	68.3	31.0	(30x0.25) TC	16	1.50			0.220	5.60	
HMC0013	4	1640	500	86.0	39.0	(30x0.25) TC	16	1.50			0.244	6.20	
HMC0014	5	1640	500	110.2	50.0	(30x0.25) TC	16	1.50			0.276	7.00	
HMC0015	7	1640	500	142.2	64.5	(30x0.25) TC	16	1.50			0.299	7.60	

TC = Tinned Copper • DCR = DC resistance

TPE
Multicore Cables
300V, 150°C

De-scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
150°C • 26 - 20 AWG • Stranded Tinned Copper • Separator Foil • Overall Tinned Copper Braid													
TPE Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Black TPE Jacket**													
										Overall TC Braid			- Traffic and automotive - Installations in buildings - Instrumentation engineering - Robotics - Tool and mechanical engineering

Also available on request with Bare Copper conductor for 135°C.

HMC0016	2	1640	500	19.3	8.8	(19x0.107) TC	26	0.14		0.138	3.50	
HMC0017	3	1640	500	23.5	10.7	(19x0.107) TC	26	0.14		0.146	3.70	
HMC0018	4	1640	500	27.0	12.3	(19x0.107) TC	26	0.14		0.157	4.00	
HMC0019	5	1640	500	36.6	16.6	(19x0.107) TC	26	0.14		0.169	4.30	
HMC0020	6	1640	500	40.8	18.5	(19x0.107) TC	26	0.14		0.189	4.80	
HMC0021	7	1640	500	50.7	23.0	(19x0.107) TC	26	0.14		0.189	4.80	
HMC0022	2	1640	500	23.1	10.5	(19x0.127) TC	24	0.25		0.150	3.80	
HMC0023	3	1640	500	27.6	12.5	(19x0.127) TC	24	0.25		0.157	4.00	
HMC0024	4	1640	500	33.1	15.0	(19x0.127) TC	24	0.25		0.169	4.30	
HMC0025	5	1640	500	45.2	20.5	(19x0.127) TC	24	0.25		0.193	4.90	
HMC0026	6	1640	500	48.5	22.0	(19x0.127) TC	24	0.25		0.205	5.20	
HMC0027	7	1640	500	51.8	23.5	(19x0.127) TC	24	0.25		0.205	5.20	
HMC0028	2	1640	500	28.7	13.0	(19x0.160) TC	22	0.34		0.161	4.10	
HMC0029	3	1640	500	34.2	15.5	(19x0.160) TC	22	0.34		0.169	4.30	
HMC0030	4	1640	500	41.9	19.0	(19x0.160) TC	22	0.34		0.189	4.80	
HMC0031	5	1640	500	56.2	25.5	(19x0.160) TC	22	0.34		0.209	5.30	
HMC0032	6	1640	500	63.9	29.0	(19x0.160) TC	22	0.34		0.220	5.60	
HMC0033	7	1640	500	66.1	30.0	(19x0.160) TC	22	0.34		0.220	5.60	
HMC0034	2	1640	500	37.5	17.0	(19x0.203) TC	20	0.50		0.177	4.50	
HMC0035	3	1640	500	48.5	22.0	(19x0.203) TC	20	0.50		0.193	4.90	
HMC0036	4	1640	500	59.5	27.0	(19x0.203) TC	20	0.50		0.209	5.30	
HMC0037	5	1640	500	73.9	33.5	(19x0.203) TC	20	0.50		0.228	5.80	
HMC0038	6	1640	500	88.2	40.0	(19x0.203) TC	20	0.50		0.248	6.30	
HMC0039	7	1640	500	93.7	42.5	(19x0.203) TC	20	0.50		0.248	6.30	

TC = Tinned Copper • DCR = DC resistance

Silicone Rubber

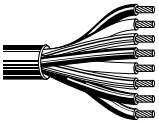
Multicore Cables

300/500V, 180°C, peak temp 250°C

180°C • 18 - 14 AWG • Stranded Tinned Copper Wire

Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Red-Brown FRNC/LSNH Jacket**

IEC 60754-1
VDE 0282
Part 1



Unshielded

Industrial areas with increased temperature requirements, e.g.
- Mechanical engineering
- Traffic technology
- Lighting industry
- Sauna and solarium
- Glass and ceramic fabrication
- Steel and iron fabrication

Also available on request with Bare Copper conductor for 135°C.

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm
	HMC0040	2	1640	500	55.1	25.0	(24x0.20) TC	18	0.75		0.240	6.10
	HMC0041	3	1640	500	68.3	31.0	(24x0.20) TC	18	0.75		0.260	6.60
	HMC0042	4	1640	500	79.4	36.0	(24x0.20) TC	18	0.75		0.283	7.20
	HMC0043	5	1640	500	108.0	49.0	(24x0.20) TC	18	0.75		0.319	8.10
	HMC0044	2	1640	500	70.5	32.0	(32x0.20) TC	17	1.00		0.260	6.60
	HMC0045	3	1640	500	80.5	36.5	(32x0.20) TC	17	1.00		0.276	7.00
	HMC0046	4	1640	500	97.0	44.0	(32x0.20) TC	17	1.00		0.299	7.60
	HMC0047	5	1640	500	115.7	52.5	(32x0.20) TC	17	1.00		0.335	8.50
	HMC0048	2	1640	500	92.6	42.0	(30x0.25) TC	16	1.50		0.307	7.80
	HMC0049	3	1640	500	111.3	50.5	(30x0.25) TC	16	1.50		0.323	8.20
	HMC0050	4	1640	500	138.9	63.0	(30x0.25) TC	16	1.50		0.358	9.10
	HMC0051	5	1640	500	173.1	78.5	(30x0.25) TC	16	1.50		0.394	10.00
	HMC0052	2	1640	500	136.7	62.0	(50x0.25) TC	14	2.50		0.362	9.20
	HMC0053	3	1640	500	173.1	78.5	(50x0.25) TC	14	2.50		0.382	9.70
	HMC0054	4	1640	500	216.1	98.0	(50x0.25) TC	14	2.50		0.425	10.80
	HMC0055	5	1640	500	262.3	119.0	(50x0.25) TC	14	2.50		0.472	12.0

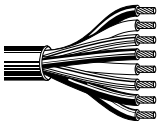
TC = Tinned Copper • DCR = DC resistance

Silicone Rubber

Multicore Cables

300/500V, 180°C, peak temp 250°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
180°C • 18 - 14 AWG • Stranded Tinned Copper Wire													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Red-Brown FRNC/LSNH Jacket**													
		IEC 60754-1 VDE 0282 Part 1								Unshielded			Industrial areas with increased temperature requirements and VDE-approval, e.g. - Mechanical engineering - Traffic technology - Lighting industry - Sauna and solarium - Glass and ceramic fabrication - Steel and iron fabrication
HMC0056	6	1640	500	122.4	55.5	(24x0.20) TC	18	0.75		0.343	8.70	
HMC0057	7	1640	500	124.6	56.5	(24x0.20) TC	18	0.75		0.343	8.70	
HMC0058	8	1640	500	145.5	66.0	(24x0.20) TC	18	0.75		0.378	9.60	
HMC0059	10	1640	500	178.6	81.0	(24x0.20) TC	18	0.75		0.429	10.90	
HMC0060	12	1640	500	203.9	92.5	(24x0.20) TC	18	0.75		0.449	11.40	
HMC0061	14	1640	500	239.2	108.5	(24x0.20) TC	18	0.75		0.492	12.50	
HMC0062	16	1640	500	273.4	124.0	(24x0.20) TC	18	0.75		0.520	13.20	
HMC0063	18	1640	500	309.7	140.5	(24x0.20) TC	18	0.75		0.555	14.10	
HMC0064	20	1640	500	325.2	147.5	(24x0.20) TC	18	0.75		0.571	14.50	
HMC0065	24	1640	500	390.2	177.0	(24x0.20) TC	18	0.75		0.634	16.10	
HMC0066	25	1640	500	425.5	193.0	(24x0.20) TC	18	0.75		0.673	17.10	
HMC0067	6	1640	500	143.3	65.0	(32x0.20) TC	17	1.00		0.374	9.50	
HMC0068	7	1640	500	157.6	71.5	(32x0.20) TC	17	1.00		0.374	9.50	
HMC0069	8	1640	500	176.4	80.0	(32x0.20) TC	17	1.00		0.402	10.20	
HMC0070	10	1640	500	216.1	98.0	(32x0.20) TC	17	1.00		0.457	11.60	
HMC0071	12	1640	500	246.9	112.0	(32x0.20) TC	17	1.00		0.484	12.30	
HMC0072	14	1640	500	288.8	131.0	(32x0.20) TC	17	1.00		0.531	13.50	
HMC0073	16	1640	500	329.6	149.5	(32x0.20) TC	17	1.00		0.559	14.20	
HMC0074	18	1640	500	374.8	170.0	(32x0.20) TC	17	1.00		0.598	15.20	
HMC0075	20	1640	500	396.8	180.0	(32x0.20) TC	17	1.00		0.614	15.60	
HMC0076	24	1640	500	472.9	214.5	(32x0.20) TC	17	1.00		0.681	17.30	
HMC0077	25	1640	500	503.8	228.5	(32x0.20) TC	17	1.00		0.724	18.40	
HMC0078	6	1640	500	201.7	91.5	(30x0.25) TC	16	1.50		0.437	11.10	
HMC0079	7	1640	500	211.6	96.0	(30x0.25) TC	16	1.50		0.437	11.10	
HMC0080	8	1640	500	251.3	114.0	(30x0.25) TC	16	1.50		0.480	12.20	
HMC0081	10	1640	500	307.5	139.5	(30x0.25) TC	16	1.50		0.543	13.80	
HMC0082	12	1640	500	354.9	161.0	(30x0.25) TC	16	1.50		0.567	14.40	
HMC0083	14	1640	500	407.9	185.0	(30x0.25) TC	16	1.50		0.618	15.70	
HMC0084	16	1640	500	466.3	211.5	(30x0.25) TC	16	1.50		0.661	16.80	
HMC0085	18	1640	500	511.5	232.0	(30x0.25) TC	16	1.50		0.697	17.70	



TC = Tinned Copper • DCR = DC resistance

Silicone Rubber

Multicore Cables

300/500V, 180°C, peak temp 250°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
180°C • 18 - 14 AWG • Stranded Tinned Copper Wire *(continued)*													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Red-Brown FRNC/LSNH Jacket**													
		IEC 60754-1 VDE 0282 Part 1								Unshielded			Industrial areas with increased temperature requirements and VDE-approval, e.g. - Mechanical engineering - Traffic technology - Lighting industry - Sauna and solarium - Glass and ceramic fabrication - Steel and iron fabrication
HMC0086	20	1640	500	565.5	256.5	(30x0.25) TC	16	1.50		0.724	18.40	
HMC0087	24	1640	500	677.9	307.5	(30x0.25) TC	16	1.50		0.803	20.40	
HMC0088	25	1640	500	720.9	327.0	(30x0.25) TC	16	1.50		0.850	21.60	
HMC0089	6	1640	500	307.5	139.5	(50x0.25) TC	14	2.50		0.516	13.10	
HMC0090	7	1640	500	319.7	145.0	(50x0.25) TC	14	2.50		0.516	13.10	
HMC0091	8	1640	500	375.9	170.5	(50x0.25) TC	14	2.50		0.567	14.40	
HMC0092	10	1640	500	458.6	208.0	(50x0.25) TC	14	2.50		0.642	16.30	
HMC0093	12	1640	500	544.5	247.0	(50x0.25) TC	14	2.50		0.677	17.20	
HMC0094	14	1640	500	621.7	282.0	(50x0.25) TC	14	2.50		0.740	18.80	
HMC0095	16	1640	500	703.3	319.0	(50x0.25) TC	14	2.50		0.791	20.10	
HMC0096	18	1640	500	736.3	334.0	(50x0.25) TC	14	2.50		0.831	21.10	
HMC0097	20	1640	500	867.5	393.5	(50x0.25) TC	14	2.50		0.862	21.90	
HMC0098	24	1640	500	1031.8	468.0	(50x0.25) TC	14	2.50		0.957	24.30	
HMC0099	25	1640	500	1069.2	485.0	(50x0.25) TC	14	2.50		1.016	25.80	

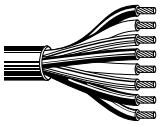
TC = Tinned Copper • DCR = DC resistance

Silicone Rubber (H05SS-F)

Multicore Cables

300/500V, 180°C, peak temp 250°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
180°C • 18 - 10 AWG • Stranded Tinned Copper Wire													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Red-Brown FRNC/LSNH Jacket**													
		IEC 60754-1 VDE 0282 Part 15								Unshielded			Industrial areas with increased temperature requirements and VDE-approval, e.g. - Mechanical engineering - Traffic technology - Lighting industry - Sauna and solarium - Glass and ceramic fabrication - Steel and iron fabrication
	HMC0100	2	1640	500	55.1	25.0	(24x0.20) TC	18	0.75		0.240	6.10	
	HMC0101	3	1640	500	68.3	31.0	(24x0.20) TC	18	0.75		0.260	6.60	
	HMC0102	4	1640	500	79.4	36.0	(24x0.20) TC	18	0.75		0.283	7.20	
	HMC0103	5	1640	500	108.0	49.0	(24x0.20) TC	18	0.75		0.319	8.10	
	HMC0104	2	1640	500	70.5	32.0	(32x0.20) TC	17	1.00		0.260	6.60	
	HMC0105	3	1640	500	80.5	36.5	(32x0.20) TC	17	1.00		0.276	7.00	
	HMC0106	4	1640	500	97.0	44.0	(32x0.20) TC	17	1.00		0.299	7.60	
	HMC0107	5	1640	500	115.7	52.5	(32x0.20) TC	17	1.00		0.335	8.50	
	HMC0108	2	1640	500	92.6	42.0	(30x0.25) TC	16	1.50		0.323	8.20	
	HMC0109	3	1640	500	111.3	50.5	(30x0.25) TC	16	1.50		0.343	8.70	
	HMC0110	4	1640	500	138.9	63.0	(30x0.25) TC	16	1.50		0.378	9.60	
	HMC0111	5	1640	500	173.1	78.5	(30x0.25) TC	16	1.50		0.413	10.50	
	HMC0112	2	1640	500	136.7	62.0	(50x0.25) TC	14	2.50		0.378	9.60	
	HMC0113	3	1640	500	173.1	78.5	(50x0.25) TC	14	2.50		0.402	10.20	
	HMC0114	4	1640	500	216.1	98.0	(50x0.25) TC	14	2.50		0.445	11.30	
	HMC0115	5	1640	500	262.3	119.0	(50x0.25) TC	14	2.50		0.496	12.60	
	HMC0116	3	1640	500	248.0	112.5	(56x0.30) TC	12	4		0.469	11.90	
	HMC0117	4	1640	500	319.7	145.0	(56x0.30) TC	12	4		0.520	13.20	
	HMC0118	3	1640	500	336.2	152.5	(84x0.30) TC	10	6		0.535	13.60	
	HMC0119	4	1640	500	418.9	190.0	(84x0.30) TC	10	6		0.591	15.00	



TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Steel Wire Braid (SWB)

Multicore Cables

300/500V, 180°C, peak temp 250°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
180°C • 18 - 4/0 AWG • Stranded Tinned Copper Wire													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Glass Fiber Tape** • **Overall Red-Brown FRNC/LSNH Jacket** • **SWB**													
		IEC 60754-1 VDE 0282 Part 1								Overall Glass Fiber Foil			Industrial areas with increased temperature and mechanical requirements, e.g. - Mechanical engineering - Glass and ceramic fabrication - Steel and iron fabrication
HMC0120	2	1640	500	97.0	44.0	(24x0.20) TC	18	0.75		0.283	7.20	
HMC0121	3	1640	500	109.1	49.5	(24x0.20) TC	18	0.75		0.299	7.60	
HMC0122	4	1640	500	133.4	60.5	(24x0.20) TC	18	0.75		0.319	8.10	
HMC0123	5	1640	500	162.0	73.5	(24x0.20) TC	18	0.75		0.362	9.20	
HMC0124	6	1640	500	186.3	84.5	(24x0.20) TC	18	0.75		0.390	9.90	
HMC0125	7	1640	500	196.2	89.0	(24x0.20) TC	18	0.75		0.390	9.90	
HMC0126	2	1640	500	108.0	49.0	(32x0.20) TC	17	1.00		0.299	7.60	
HMC0127	3	1640	500	131.2	59.5	(32x0.20) TC	17	1.00		0.315	8.00	
HMC0128	4	1640	500	153.2	69.5	(32x0.20) TC	17	1.00		0.346	8.80	
HMC0129	5	1640	500	184.1	83.5	(32x0.20) TC	17	1.00		0.382	9.70	
HMC0130	6	1640	500	203.9	92.5	(32x0.20) TC	17	1.00		0.409	10.40	
HMC0131	7	1640	500	213.8	97.0	(32x0.20) TC	17	1.00		0.409	10.40	
HMC0132	2	1640	500	138.9	63.0	(30x0.25) TC	16	1.50		0.327	8.30	
HMC0133	3	1640	500	157.6	71.5	(30x0.25) TC	16	1.50		0.343	8.70	
HMC0134	4	1640	500	187.4	85.0	(30x0.25) TC	16	1.50		0.378	9.60	
HMC0135	5	1640	500	218.3	99.0	(30x0.25) TC	16	1.50		0.409	10.40	
HMC0136	6	1640	500	270.1	122.5	(30x0.25) TC	16	1.50		0.449	11.40	
HMC0137	7	1640	500	282.2	128.0	(30x0.25) TC	16	1.50		0.449	11.40	
HMC0138	8	1640	500	347.2	157.5	(30x0.25) TC	16	1.50		0.500	12.70	
HMC0139	10	1640	500	407.9	185.0	(30x0.25) TC	16	1.50		0.551	14.00	
HMC0140	12	1640	500	449.7	204.0	(30x0.25) TC	16	1.50		0.571	14.50	
HMC0141	14	1640	500	519.2	235.5	(30x0.25) TC	16	1.50		0.614	15.60	
HMC0142	16	1640	500	596.3	270.5	(30x0.25) TC	16	1.50		0.669	17.00	
HMC0143	18	1640	500	660.3	299.5	(30x0.25) TC	16	1.50		0.701	17.80	
HMC0144	20	1640	500	694.4	315.0	(30x0.25) TC	16	1.50		0.720	18.30	
HMC0145	24	1640	500	837.7	380.0	(30x0.25) TC	16	1.50		0.803	20.40	
HMC0146	2	1640	500	181.9	82.5	(50x0.25) TC	14	2.50		0.382	9.70	
HMC0147	3	1640	500	262.3	119.0	(50x0.25) TC	14	2.50		0.402	10.20	
HMC0148	4	1640	500	295.4	134.0	(50x0.25) TC	14	2.50		0.453	11.50	

TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Steel Wire Braid (SWB)

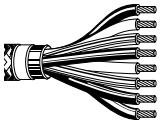
Multicore Cables

300/500V, 180°C, peak temp 250°C

180°C • 18 - 4/0 AWG • Stranded Tinned Copper Wire *(continued)*

Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) **• Glass Fiber Tape • Overall Red-Brown FRNC/LSNH Jacket • SWB**

IEC 60754-1
VDE 0282
Part 1



Overall
Glass Fiber Foil

Industrial areas with increased temperature and mechanical requirements, e.g.
- Mechanical engineering
- Glass and ceramic fabrication
- Steel and iron fabrication

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application
	HMC0149	5	1640	500	347.2	157.5	(50x0.25) TC	14	2.50		0.500	12.70	
	HMC0150	6	1640	500	407.9	185.0	(50x0.25) TC	14	2.50		0.539	13.70	
	HMC0151	7	1640	500	424.4	192.5	(50x0.25) TC	14	2.50		0.539	13.70	
	HMC0152	12	1640	500	670.2	304.0	(50x0.25) TC	14	2.50		0.693	17.60	
	HMC0153	2	1640	500	281.1	127.5	(56x0.30) TC	12	4		0.453	11.50	
	HMC0154	3	1640	500	329.6	149.5	(56x0.30) TC	12	4		0.480	12.20	
	HMC0155	4	1640	500	402.3	182.5	(56x0.30) TC	12	4		0.528	13.40	
	HMC0156	5	1640	500	501.5	227.5	(56x0.30) TC	12	4		0.594	15.10	
	HMC0157	6	1640	500	578.7	262.5	(56x0.30) TC	12	4		0.646	16.40	
	HMC0158	7	1640	500	612.9	278.0	(56x0.30) TC	12	4		0.646	16.40	
	HMC0159	2	1640	500	359.3	163.0	(84x0.30) TC	10	6		0.508	12.90	
	HMC0160	3	1640	500	442.0	200.5	(84x0.30) TC	10	6		0.539	13.70	
	HMC0161	4	1640	500	534.6	242.5	(84x0.30) TC	10	6		0.583	14.80	
	HMC0162	5	1640	500	663.6	301.0	(84x0.30) TC	10	6		0.661	16.80	
	HMC0163	6	1640	500	772.7	350.5	(84x0.30) TC	10	6		0.717	18.20	
	HMC0164	7	1640	500	811.3	368.0	(84x0.30) TC	10	6		0.717	18.20	
	HMC0165	2	1640	500	598.5	271.5	(80x0.40) TC	8	10		0.681	17.30	
	HMC0166	3	1640	500	718.7	326.0	(80x0.40) TC	8	10		0.724	18.40	
	HMC0167	4	1640	500	909.4	412.5	(80x0.40) TC	8	10		0.811	20.60	
	HMC0168	5	1640	500	1088.0	493.5	(80x0.40) TC	8	10		0.886	22.50	
	HMC0169	2	1640	500	824.5	374.0	(128x0.40) TC	6	16		0.795	20.20	
	HMC0170	3	1640	500	1002.0	454.5	(128x0.40) TC	6	16		0.846	21.50	
	HMC0171	4	1640	500	1304.0	591.5	(128x0.40) TC	6	16		0.921	23.40	
	HMC0172	5	1640	500	1535.5	696.5	(128x0.40) TC	6	16		1.031	26.20	
	HMC0173	2	1640	500	1153.0	523.0	(200x0.40) TC	4	25		0.937	23.80	
	HMC0174	3	1640	500	1484.8	673.5	(200x0.40) TC	4	25		1.024	26.00	
	HMC0175	4	1640	500	1849.7	839.0	(200x0.40) TC	4	25		1.114	28.30	
	HMC0176	2	1640	500	1519.0	689.0	(280x0.40) TC	2	35		1.071	27.20	
	HMC0177	3	1640	500	2034.8	923.0	(280x0.40) TC	2	35		1.142	29.00	

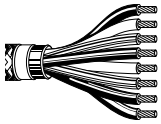
TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Steel Wire Braid (SWB)

Multicore Cables

300/500V, 180°C, peak temp 250°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
180°C • 18 - 4/0 AWG • Stranded Tinned Copper Wire *(continued)*													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Glass Fiber Tape • Overall Red-Brown FRNC/LSNH Jacket • SWB**													
		IEC 60754-1 VDE 0282 Part 1								Overall Glass Fiber Foil			Industrial areas with increased temperature and mechanical requirements, e.g. - Mechanical engineering - Glass and ceramic fabrication - Steel and iron fabrication
	HMC0178	4	1640	500	2469.2	1120.0	(280x0.40) TC	2	35		1.272	32.30	
	HMC0179	2	1640	500	2060.2	934.5	(400x0.40) TC	1	50		1.236	31.40	
	HMC0180	3	1640	500	2627.9	1192.0	(400x0.40) TC	1	50		1.319	33.50	
	HMC0181	4	1640	500	2978.4	1351.0	(400x0.40) TC	1	50		1.465	37.20	
	HMC0182	2	1640	500	2735.9	1241.0	(356x0.50) TC	2/0	70		1.390	35.30	
	HMC0183	3	1640	500	3653.0	1657.0	(356x0.50) TC	2/0	70		1.508	38.30	
	HMC0184	4	1640	500	4490.8	2037.0	(356x0.50) TC	2/0	70		1.673	42.50	
	HMC0185	2	1640	500	3725.8	1690.0	(485x0.50) TC	3/0	95		1.630	41.40	
	HMC0186	3	1640	500	4738.8	2149.5	(485x0.50) TC	3/0	95		1.764	44.80	
	HMC0187	4	1640	500	5885.2	2669.5	(485x0.50) TC	3/0	95		1.961	49.80	
	HMC0188	3	1640	500	5816.8	2638.5	(614x0.50) TC	4/0	120		1.921	48.80	
	HMC0189	4	1640	500	7243.2	3285.5	(614x0.50) TC	4/0	120		2.130	54.10	



TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Overall Braid

Multicore Cables

300/500V, 180°C, peak temp 250°C

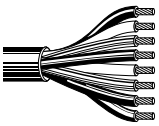
Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
180°C • 18 - 14 AWG • Stranded Tinned Copper Wire • Separator Foil • Overall Tinned Copper Braid													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Red-Brown FRNC/LSNH Jacket**													
		IEC 60754-1 VDE 0282 Part 1								Overall > 85% TC Braid			Industrial areas with increased temperature and mechanical requirements, e.g. - Mechanical engineering - Traffic technology - Lighting industry - Glass and ceramic fabrication - Steel and iron fabrication
	HMC0190	2	1640	500	100.3	45.5	(24x0.20) TC	18	0.75		0.287	7.30	
	HMC0191	3	1640	500	120.2	54.5	(24x0.20) TC	18	0.75		0.299	7.60	
	HMC0192	4	1640	500	141.1	64.0	(24x0.20) TC	18	0.75		0.323	8.20	
	HMC0193	5	1640	500	170.9	77.5	(24x0.20) TC	18	0.75		0.350	8.90	
	HMC0194	7	1640	500	209.4	95.0	(24x0.20) TC	18	0.75		0.386	9.80	
	HMC0195	2	1640	500	114.6	52.0	(32x0.20) TC	17	1.00		0.315	8.00	
	HMC0196	3	1640	500	136.7	62.0	(32x0.20) TC	17	1.00		0.331	8.40	
	HMC0197	4	1640	500	157.6	71.5	(32x0.20) TC	17	1.00		0.354	9.00	
	HMC0198	5	1640	500	201.7	91.5	(32x0.20) TC	17	1.00		0.382	9.70	
	HMC0199	7	1640	500	264.6	120.0	(32x0.20) TC	17	1.00		0.421	10.70	
	HMC0200	2	1640	500	132.3	60.0	(30x0.25) TC	16	1.50		0.339	8.60	
	HMC0201	3	1640	500	159.8	72.5	(30x0.25) TC	16	1.50		0.354	9.00	
	HMC0202	4	1640	500	210.5	95.5	(30x0.25) TC	16	1.50		0.390	9.90	
	HMC0203	5	1640	500	246.9	112.0	(30x0.25) TC	16	1.50		0.421	10.70	
	HMC0204	7	1640	500	297.6	135.0	(30x0.25) TC	16	1.50		0.453	11.50	
	HMC0205	2	1640	500	192.9	87.5	(50x0.25) TC	14	2.50		0.394	10.00	
	HMC0206	3	1640	500	233.7	106.0	(50x0.25) TC	14	2.50		0.413	10.50	
	HMC0207	4	1640	500	288.8	131.0	(50x0.25) TC	14	2.50		0.445	11.30	
	HMC0208	5	1640	500	337.3	153.0	(50x0.25) TC	14	2.50		0.484	12.30	
	HMC0209	7	1640	500	451.9	205.0	(50x0.25) TC	14	2.50		0.547	13.90	
	HMC0210	2	1640	500	251.3	114.0	(56x0.30) TC	12	4		0.449	11.40	
	HMC0211	3	1640	500	318.6	144.5	(56x0.30) TC	12	4		0.472	12.00	
	HMC0212	4	1640	500	414.5	188.0	(56x0.30) TC	12	4		0.535	13.60	
	HMC0213	5	1640	500	482.8	219.0	(56x0.30) TC	12	4		0.583	14.80	
	HMC0214	7	1640	500	612.9	278.0	(56x0.30) TC	12	4		0.630	16.00	

TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Heavy Duty

Multicore Cables
300/500V, 180°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
180°C • 18 - 10 AWG • Stranded Tinned Copper Wire													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Black FRNC/LSNH Jacket**													
		IEC 60754-1 VDE 0282 Part 1								Unshielded			Industrial areas with increased temperature requirements, e.g. - Traffic technology - Power plant technology - Mechanical engineering - Steel and iron fabrication
	HMC0215	2	1640	500	115.7	52.5	(24x0.20) TC	18	0.75		0.374	9.50	
	HMC0216	3	1640	500	130.1	59.0	(24x0.20) TC	18	0.75		0.386	9.80	
	HMC0217	4	1640	500	148.8	67.5	(24x0.20) TC	18	0.75		0.409	10.40	
	HMC0218	5	1640	500	173.1	78.5	(24x0.20) TC	18	0.75		0.437	11.10	
	HMC0219	6	1640	500	198.4	90.0	(24x0.20) TC	18	0.75		0.461	11.70	
	HMC0220	7	1640	500	202.8	92.0	(24x0.20) TC	18	0.75		0.461	11.70	
	HMC0221	2	1640	500	127.9	58.0	(32x0.20) TC	17	1.00		0.386	9.80	
	HMC0222	3	1640	500	145.5	66.0	(32x0.20) TC	17	1.00		0.402	10.20	
	HMC0223	4	1640	500	167.5	76.0	(32x0.20) TC	17	1.00		0.425	10.80	
	HMC0224	5	1640	500	197.3	89.5	(32x0.20) TC	17	1.00		0.453	11.50	
	HMC0225	6	1640	500	224.9	102.0	(32x0.20) TC	17	1.00		0.484	12.30	
	HMC0226	7	1640	500	232.6	105.0	(32x0.20) TC	17	1.00		0.484	12.30	
	HMC0227	2	1640	500	157.6	71.5	(30x0.25) TC	16	1.50		0.425	10.80	
	HMC0228	3	1640	500	181.9	82.5	(30x0.25) TC	16	1.50		0.441	11.20	
	HMC0229	4	1640	500	211.6	96.0	(30x0.25) TC	16	1.50		0.469	11.90	
	HMC0230	5	1640	500	252.4	114.5	(30x0.25) TC	16	1.50		0.504	12.80	
	HMC0231	6	1640	500	276.7	125.5	(30x0.25) TC	16	1.50		0.539	13.70	
	HMC0232	7	1640	500	299.8	136.0	(30x0.25) TC	16	1.50		0.539	13.70	
	HMC0233	8	1640	500	340.6	154.5	(30x0.25) TC	16	1.50		0.575	14.60	
	HMC0234	10	1640	500	403.4	183.0	(30x0.25) TC	16	1.50		0.630	16.00	
	HMC0235	12	1640	500	453.0	205.5	(30x0.25) TC	16	1.50		0.654	16.60	
	HMC0236	14	1640	500	513.7	233.0	(30x0.25) TC	16	1.50		0.697	17.70	
	HMC0237	16	1640	500	573.2	260.0	(30x0.25) TC	16	1.50		0.732	18.60	
	HMC0238	18	1640	500	636.0	288.5	(30x0.25) TC	16	1.50		0.768	19.50	
	HMC0239	20	1640	500	679.0	308.0	(30x0.25) TC	16	1.50		0.787	20.00	
	HMC0240	24	1640	500	794.8	360.5	(30x0.25) TC	16	1.50		0.858	21.80	
	HMC0241	30	1640	500	951.3	431.5	(30x0.25) TC	16	1.50		0.925	23.50	
	HMC0242	2	1640	500	206.1	93.5	(50x0.25) TC	14	2.50		0.472	12.00	
	HMC0243	3	1640	500	243.6	110.5	(50x0.25) TC	14	2.50		0.492	12.50	

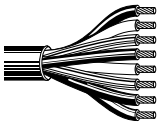


TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Heavy Duty

Multicore Cables
300/500V, 180°C

De-scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
180°C • 18 - 10 AWG • Stranded Tinned Copper Wire *(continued)*													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Black FRNC/LSNH Jacket**													
		IEC 60754-1 VDE 0282 Part 1								Unshielded			Industrial areas with increased temperature requirements, e.g. - Traffic technology - Power plant technology - Mechanical engineering - Steel and iron fabrication
	HMC0244	4	1640	500	287.7	130.5	(50x0.25) TC	14	2.50		0.528	13.40	
	HMC0245	5	1640	500	343.9	156.0	(50x0.25) TC	14	2.50		0.567	14.40	
	HMC0246	6	1640	500	401.2	182.0	(50x0.25) TC	14	2.50		0.610	15.50	
	HMC0247	7	1640	500	421.1	191.0	(50x0.25) TC	14	2.50		0.610	15.50	
	HMC0248	12	1640	500	658.1	298.5	(50x0.25) TC	14	2.50		0.748	19.00	
	HMC0249	24	1640	500	1169.5	530.5	(50x0.25) TC	14	2.50		0.996	25.30	
	HMC0250	30	1640	500	1352.5	613.5	(50x0.25) TC	14	2.50		1.083	27.50	
	HMC0251	2	1640	500	263.4	119.5	(56x0.30) TC	12	4		0.512	13.00	
	HMC0252	3	1640	500	317.5	144.0	(56x0.30) TC	12	4		0.535	13.60	
	HMC0253	4	1640	500	381.4	173.0	(56x0.30) TC	12	4		0.575	14.60	
	HMC0254	5	1640	500	465.2	211.0	(56x0.30) TC	12	4		0.622	15.80	
	HMC0255	6	1640	500	539.0	244.5	(56x0.30) TC	12	4		0.669	17.00	
	HMC0256	7	1640	500	571.0	259.0	(56x0.30) TC	12	4		0.669	17.00	
	HMC0257	2	1640	500	334.0	151.5	(84x0.30) TC	10	6		0.559	14.20	
	HMC0258	3	1640	500	409.0	185.5	(84x0.30) TC	10	6		0.587	14.90	
	HMC0259	4	1640	500	494.9	224.5	(84x0.30) TC	10	6		0.634	16.10	
	HMC0260	5	1640	500	610.7	277.0	(84x0.30) TC	10	6		0.685	17.40	
	HMC0261	6	1640	500	713.2	323.5	(84x0.30) TC	10	6		0.740	18.80	
	HMC0262	7	1640	500	751.8	341.0	(84x0.30) TC	10	6		0.740	18.80	



TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Heavy Duty, Overall Braid

Multicore Cables
300/500V, 180°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application

180°C • 18 - 10 AWG • Stranded Tinned Copper Wire • Glass Fiber Tape • Mica Tape • Overall Tinned Copper Braid

Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Black FRNC/LSNH Jacket**

IEC 60754-1
VDE 0282
Part 1

Overall
> 85% TC
Braid

Industrial areas with increased temperature requirements, e.g.
- Traffic technology
- Power plant technology
- Mechanical engineering
- Steel and iron fabrication

HMC0263	2	1640	500	148.8	67.5	(24x0.20) TC	18	0.75		0.429	10.90	
HMC0264	3	1640	500	166.4	75.5	(24x0.20) TC	18	0.75		0.445	11.30	
HMC0265	4	1640	500	187.4	85.0	(24x0.20) TC	18	0.75		0.465	11.80	
HMC0266	5	1640	500	212.7	96.5	(24x0.20) TC	18	0.75		0.492	12.50	
HMC0267	6	1640	500	261.2	118.5	(24x0.20) TC	18	0.75		0.528	13.40	
HMC0268	7	1640	500	266.8	121.0	(24x0.20) TC	18	0.75		0.528	13.40	
HMC0269	2	1640	500	160.9	73.0	(32x0.20) TC	17	1.00		0.445	11.30	
HMC0270	3	1640	500	180.8	82.0	(32x0.20) TC	17	1.00		0.461	11.70	
HMC0271	4	1640	500	206.1	93.5	(32x0.20) TC	17	1.00		0.484	12.30	
HMC0272	5	1640	500	241.4	109.5	(32x0.20) TC	17	1.00		0.520	13.20	
HMC0273	6	1640	500	288.8	131.0	(32x0.20) TC	17	1.00		0.547	13.90	
HMC0274	7	1640	500	296.5	134.5	(32x0.20) TC	17	1.00		0.547	13.90	
HMC0275	2	1640	500	203.9	92.5	(30x0.25) TC	16	1.50		0.480	12.20	
HMC0276	3	1640	500	249.1	113.0	(30x0.25) TC	16	1.50		0.508	12.90	
HMC0277	4	1640	500	288.8	131.0	(30x0.25) TC	16	1.50		0.535	13.60	
HMC0278	5	1640	500	334.0	151.5	(30x0.25) TC	16	1.50		0.567	14.40	
HMC0279	6	1640	500	380.3	172.5	(30x0.25) TC	16	1.50		0.602	15.30	
HMC0280	7	1640	500	392.4	178.0	(30x0.25) TC	16	1.50		0.602	15.30	
HMC0281	8	1640	500	469.6	213.0	(30x0.25) TC	16	1.50		0.646	16.40	
HMC0282	10	1640	500	533.5	242.0	(30x0.25) TC	16	1.50		0.701	17.80	
HMC0283	12	1640	500	607.4	275.5	(30x0.25) TC	16	1.50		0.724	18.40	
HMC0284	14	1640	500	668.0	303.0	(30x0.25) TC	16	1.50		0.772	19.60	
HMC0285	16	1640	500	737.4	334.5	(30x0.25) TC	16	1.50		0.803	20.40	
HMC0286	18	1640	500	817.9	371.0	(30x0.25) TC	16	1.50		0.839	21.30	
HMC0287	20	1640	500	864.2	392.0	(30x0.25) TC	16	1.50		0.858	21.80	
HMC0288	24	1640	500	1029.5	467.0	(30x0.25) TC	16	1.50		0.929	23.60	
HMC0289	30	1640	500	1209.2	548.5	(30x0.25) TC	16	1.50		1.000	25.40	
HMC0290	2	1640	500	271.2	123.0	(50x0.25) TC	14	2.50		0.535	13.60	
HMC0291	3	1640	500	316.4	143.5	(50x0.25) TC	14	2.50		0.559	14.20	
HMC0292	4	1640	500	372.6	169.0	(50x0.25) TC	14	2.50		0.594	15.10	
HMC0293	5	1640	500	466.3	211.5	(50x0.25) TC	14	2.50		0.642	16.30	

TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Heavy Duty, Overall Braid

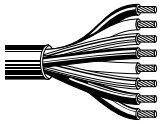
Multicore Cables
300/500V, 180°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
180°C • 18 - 10 AWG • Stranded Tinned Copper Wire • Glass Fiber Tape • Mica Tape • Overall Tinned Copper Braid *(continued)*													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Black FRNC/LSNH Jacket**													
		IEC 60754-1 VDE 0282 Part 1								Overall > 85% TC Braid			Industrial areas with increased temperature requirements, e.g. - Traffic technology - Power plant technology - Mechanical engineering - Steel and iron fabrication
HMC0294	6	1640	500	529.1	240.0	(50x0.25) TC	14	2.50		0.681	17.30	
HMC0295	7	1640	500	548.9	249.0	(50x0.25) TC	14	2.50		0.681	17.30	
HMC0296	12	1640	500	831.1	377.0	(50x0.25) TC	14	2.50		0.823	20.90	
HMC0297	24	1640	500	1434.1	650.5	(50x0.25) TC	14	2.50		1.071	27.20	
HMC0298	30	1640	500	1733.9	786.5	(50x0.25) TC	14	2.50		1.154	29.30	
HMC0299	2	1640	500	306.4	139.0	(56x0.30) TC	12	4		0.575	14.60	
HMC0300	3	1640	500	372.6	169.0	(56x0.30) TC	12	4		0.602	15.30	
HMC0301	4	1640	500	471.8	214.0	(56x0.30) TC	12	4		0.650	16.50	
HMC0302	5	1640	500	562.2	255.0	(56x0.30) TC	12	4		0.693	17.60	
HMC0303	6	1640	500	640.4	290.5	(56x0.30) TC	12	4		0.740	18.80	
HMC0304	7	1640	500	681.2	309.0	(56x0.30) TC	12	4		0.740	18.80	
HMC0305	2	1640	500	402.3	182.5	(84x0.30) TC	10	6		0.630	16.00	
HMC0306	3	1640	500	489.4	222.0	(84x0.30) TC	10	6		0.661	16.80	
HMC0307	4	1640	500	585.3	265.5	(84x0.30) TC	10	6		0.705	17.90	
HMC0308	5	1640	500	714.3	324.0	(84x0.30) TC	10	6		0.760	19.30	
HMC0309	6	1640	500	827.8	375.5	(84x0.30) TC	10	6		0.811	20.60	
HMC0310	7	1640	500	871.9	395.5	(84x0.30) TC	10	6		0.811	20.60	

TC = Tinned Copper • DCR = DC resistance

FEP

Multicore Cables
600V, 200°C, peak temp 230°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application
205°C • 18 - 14 AWG • Stranded Silver-Plated Copper Wire													
FEP Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Grey FEP Jacket**													
										Unshielded			Industrial areas with high temperature and increased mechanical stress, e.g. - Instrumentation engineering - Mechanical engineering - Chemical industry - Traffic and automotive - Lighting industry
													
	HMC0311	2	1640	500	34.2	15.5	(24x0.20) SPC	18	0.75		0.177	4.50	
	HMC0312	3	1640	500	46.3	21.0	(24x0.20) SPC	18	0.75		0.189	4.80	
	HMC0313	4	1640	500	63.9	29.0	(24x0.20) SPC	18	0.75		0.201	5.10	
	HMC0314	5	1640	500	82.7	37.5	(24x0.20) SPC	18	0.75		0.228	5.80	
	HMC0315	7	1640	500	101.4	46.0	(24x0.20) SPC	18	0.75		0.240	6.10	
	HMC0316	2	1640	500	41.9	19.0	(32x0.20) SPC	17	1.00		0.193	4.90	
	HMC0317	3	1640	500	59.5	27.0	(32x0.20) SPC	17	1.00		0.205	5.20	
	HMC0318	4	1640	500	77.2	35.0	(32x0.20) SPC	17	1.00		0.224	5.70	
	HMC0319	5	1640	500	97.0	44.0	(32x0.20) SPC	17	1.00		0.240	6.10	
	HMC0320	7	1640	500	131.2	59.5	(32x0.20) SPC	17	1.00		0.272	6.90	
	HMC0321	2	1640	500	58.4	26.5	(30x0.25) SPC	16	1.50		0.213	5.40	
	HMC0322	3	1640	500	79.4	36.0	(30x0.25) SPC	16	1.50		0.228	5.80	
	HMC0323	4	1640	500	100.3	45.5	(30x0.25) SPC	16	1.50		0.248	6.30	
	HMC0324	5	1640	500	129.0	58.5	(30x0.25) SPC	16	1.50		0.280	7.10	
	HMC0325	7	1640	500	169.8	77.0	(30x0.25) SPC	16	1.50		0.307	7.80	
	HMC0326	2	1640	500	97.0	44.0	(50x0.25) SPC	14	2.50		0.256	6.50	
	HMC0327	3	1640	500	125.7	57.0	(50x0.25) SPC	14	2.50		0.283	7.20	
	HMC0328	4	1640	500	162.0	73.5	(50x0.25) SPC	14	2.50		0.307	7.80	
	HMC0329	5	1640	500	198.4	90.0	(50x0.25) SPC	14	2.50		0.339	8.60	
	HMC0330	7	1640	500	267.9	121.5	(50x0.25) SPC	14	2.50		0.382	9.70	

SPC = Silver-Plated Copper • DCR = DC resistance

FEP – Overall Braid

Multicore Cables

600V, 200°C, peak temp 230°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
205°C • 26 - 20 AWG • Stranded Silver-Plated Copper Wire • Separator Foil • Overall Tinned Copper Braid													
FEP Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Grey FEP Jacket**													
										Overall > 85% TC Braid			Industrial areas with high temperature and increased mechanical stress, e.g. - Instrumentation engineering - Mechanical engineering - Chemical industry - Traffic and automotive - Lighting industry
HMC0331	2	1640	500	27.6	12.5	(19x0.107) SPC	26	0.14		0.142	3.60	
HMC0332	3	1640	500	33.1	15.0	(19x0.107) SPC	26	0.14		0.150	3.80	
HMC0333	4	1640	500	38.6	17.5	(19x0.107) SPC	26	0.14		0.154	3.90	
HMC0334	5	1640	500	48.5	22.0	(19x0.107) SPC	26	0.14		0.173	4.40	
HMC0335	6	1640	500	56.2	25.5	(19x0.107) SPC	26	0.14		0.193	4.90	
HMC0336	7	1640	500	59.5	27.0	(19x0.107) SPC	26	0.14		0.193	4.90	
HMC0337	2	1640	500	33.1	15.0	(19x0.127) SPC	24	0.25		0.150	3.80	
HMC0338	3	1640	500	38.6	17.5	(19x0.127) SPC	24	0.25		0.157	4.00	
HMC0339	4	1640	500	43.0	19.5	(19x0.127) SPC	24	0.25		0.165	4.20	
HMC0340	5	1640	500	56.2	25.5	(19x0.127) SPC	24	0.25		0.189	4.80	
HMC0341	6	1640	500	60.6	27.5	(19x0.127) SPC	24	0.25		0.197	5.00	
HMC0342	7	1640	500	69.4	31.5	(19x0.127) SPC	24	0.25		0.197	5.00	
HMC0343	2	1640	500	39.7	18.0	(19x0.160) SPC	22	0.34		0.161	4.10	
HMC0344	3	1640	500	48.5	22.0	(19x0.160) SPC	22	0.34		0.169	4.30	
HMC0345	4	1640	500	59.5	27.0	(19x0.160) SPC	22	0.34		0.193	4.90	
HMC0346	5	1640	500	70.5	32.0	(19x0.160) SPC	22	0.34		0.209	5.30	
HMC0347	6	1640	500	79.4	36.0	(19x0.160) SPC	22	0.34		0.224	5.70	
HMC0348	7	1640	500	86.0	39.0	(19x0.160) SPC	22	0.34		0.224	5.70	
HMC0349	2	1640	500	48.5	22.0	(19x0.203) SPC	20	0.50		0.177	4.50	
HMC0350	3	1640	500	61.7	28.0	(19x0.203) SPC	20	0.50		0.193	4.90	
HMC0351	4	1640	500	81.6	37.0	(19x0.203) SPC	20	0.50		0.213	5.40	
HMC0352	5	1640	500	92.6	42.0	(19x0.203) SPC	20	0.50		0.228	5.80	
HMC0353	6	1640	500	108.0	49.0	(19x0.203) SPC	20	0.50		0.248	6.30	
HMC0354	7	1640	500	117.9	53.5	(19x0.203) SPC	20	0.50		0.248	6.30	

TC = Tinned Copper • SPC = Silver-Plated Copper • DCR = DC resistance

Glass Fiber – Glass Braid

Multicore Cables
300/300V, 350°C

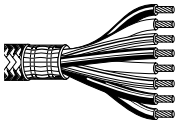
Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
350°C • 24 - 12 AWG • Stranded Nickel-Plated Copper Wire • Separator Foil • Overall Silicone Impregnated Glass Fiber Braid													
Glass Fiber Insulation (Color Code: see chart 11, Tech Info Section)													
										Overall Glass Fiber Braid			For wiring at high ambient temperature and increased mechanical stress, e.g. - Extrusion and drying installations - Electric heatings - Steel and iron fabrication - Glass and ceramic fabrication
HMC0355	2	1640	500	14.3	6.5	(7x0.20) NPC	24	0.22			0.098	2.50	
HMC0356	3	1640	500	16.5	7.5	(7x0.20) NPC	24	0.22			0.106	2.70	
HMC0357	4	1640	500	18.7	8.5	(7x0.20) NPC	24	0.22			0.114	2.90	
HMC0358	2	1640	500	20.9	9.5	(7x0.25) NPC	22	0.34			0.118	3.00	
HMC0359	3	1640	500	16.5	7.5	(7x0.25) NPC	22	0.34			0.130	3.30	
HMC0360	4	1640	500	36.4	16.5	(7x0.25) NPC	22	0.34			0.138	3.50	
HMC0361	2	1640	500	28.7	13.0	(16x0.20) NPC	20	0.50			0.138	3.50	
HMC0362	3	1640	500	39.7	18.0	(16x0.20) NPC	20	0.50			0.146	3.70	
HMC0363	4	1640	500	49.6	22.5	(16x0.20) NPC	20	0.50			0.157	4.00	
HMC0364	2	1640	500	48.5	22.0	(24x0.20) NPC	18	0.75			0.201	5.10	
HMC0365	3	1640	500	61.7	28.0	(24x0.20) NPC	18	0.75			0.220	5.60	
HMC0366	4	1640	500	91.5	41.5	(24x0.20) NPC	18	0.75			0.240	6.10	
HMC0367	2	1640	500	69.4	31.5	(32x0.20) NPC	17	1.00			0.220	5.60	
HMC0368	3	1640	500	97.0	44.0	(32x0.20) NPC	17	1.00			0.236	6.00	
HMC0369	4	1640	500	124.6	56.5	(32x0.20) NPC	17	1.00			0.256	6.50	
HMC0370	2	1640	500	81.6	37.0	(30x0.25) NPC	16	1.50			0.252	6.40	
HMC0371	3	1640	500	113.5	51.5	(30x0.25) NPC	16	1.50			0.268	6.80	
HMC0372	4	1640	500	146.6	66.5	(30x0.25) NPC	16	1.50			0.291	7.40	
HMC0373	2	1640	500	156.5	71.0	(50x0.25) NPC	14	2.50*			0.327	8.30	
HMC0374	3	1640	500	189.6	86.0	(50x0.25) NPC	14	2.50*			0.402	10.20	
HMC0375	4	1640	500	248.0	112.5	(50x0.25) NPC	14	2.50*			0.445	11.30	
HMC0376	2	1640	500	202.8	92.0	(56x0.30) NPC	12	4*			0.437	11.10	
HMC0377	3	1640	500	248.0	112.5	(56x0.30) NPC	12	4*			0.469	11.90	
HMC0378	4	1640	500	341.7	155.0	(56x0.30) NPC	12	4*			0.520	13.20	

NPC = Nickel-Plated Copper • DCR = DC resistance
* 300/500 Volt construction

Glass Fiber – Glass Braid, Steel Wire Braid (SWB)

Multicore Cables
300/300V, 350°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
350°C • 24 - 12 AWG • Stranded NPC Wire • Impregnated Glass Fiber Shield • Separator Foil • Overall Silicone Impregnated Glass Fiber Braid													
Glass Fiber Insulation (Color Code: see chart 11, Tech Info Section) • **SWB**													
										Overall Glass Fiber Braid			For wiring at high ambient temperature and increased mechanical stress, e.g. - Extrusion and drying installations - Electric heatings - Steel and iron fabrication - Glass and ceramic fabrication
HMC0379	2	1640	500	27.6	12.5	(7x0.20) NPC	24	0.22		0.130	3.30	
HMC0380	3	1640	500	33.1	15.0	(7x0.20) NPC	24	0.22		0.138	3.50	
HMC0381	4	1640	500	36.4	16.5	(7x0.20) NPC	24	0.22		0.150	3.80	
HMC0382	2	1640	500	35.3	16.0	(7x0.25) NPC	22	0.34		0.146	3.70	
HMC0383	3	1640	500	41.9	19.0	(7x0.25) NPC	22	0.34		0.154	3.90	
HMC0384	4	1640	500	54.0	24.5	(7x0.25) NPC	22	0.34		0.165	4.20	
HMC0385	2	1640	500	46.3	21.0	(16x0.20) NPC	20	0.50		0.165	4.20	
HMC0386	3	1640	500	57.3	26.0	(16x0.20) NPC	20	0.50		0.173	4.40	
HMC0387	4	1640	500	68.3	31.0	(16x0.20) NPC	20	0.50		0.189	4.80	
HMC0388	2	1640	500	75.0	34.0	(24x0.20) NPC	18	0.75		0.228	5.80	
HMC0389	3	1640	500	97.0	44.0	(24x0.20) NPC	18	0.75		0.248	6.30	
HMC0390	4	1640	500	116.8	53.0	(24x0.20) NPC	18	0.75		0.268	6.80	
HMC0391	2	1640	500	94.8	43.0	(32x0.20) NPC	17	1.00		0.248	6.30	
HMC0392	3	1640	500	122.4	55.5	(32x0.20) NPC	17	1.00		0.264	6.70	
HMC0393	4	1640	500	156.5	71.0	(32x0.20) NPC	17	1.00		0.283	7.20	
HMC0394	2	1640	500	106.9	48.5	(30x0.25) NPC	16	1.50		0.280	7.10	
HMC0395	3	1640	500	146.6	66.5	(30x0.25) NPC	16	1.50		0.295	7.50	
HMC0396	4	1640	500	179.7	81.5	(30x0.25) NPC	16	1.50		0.319	8.10	
HMC0397	2	1640	500	192.9	87.5	(50x0.25) NPC	14	2.50*		0.346	8.80	
HMC0398	3	1640	500	234.8	106.5	(50x0.25) NPC	14	2.50*		0.429	10.90	
HMC0399	4	1640	500	327.4	148.5	(50x0.25) NPC	14	2.50*		0.484	12.30	
HMC0400	2	1640	500	278.9	126.5	(56x0.30) NPC	12	4*		0.476	12.10	
HMC0401	3	1640	500	325.2	147.5	(56x0.30) NPC	12	4*		0.508	12.90	
HMC0402	4	1640	500	434.3	197.0	(56x0.30) NPC	12	4*		0.559	14.20	



NPC = Nickel-Plated Copper • DCR = DC resistance
* 300/500 Volt construction

Mica – Ceramic Braid, Steel Wire Braid (SWB)

Multicore Cables
380V, 1250°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application
1250°C • 17 - 10 AWG • Stranded SA Wire • Impregnated Ceramic Fiber Shield • Mica Tape • Overall Impregnated Ceramic Fiber Braid													
Mica Insulation (Color Code: see chart 11, Tech Info Section) • **SWB**													
										Overall Ceramic Fiber Braid			For wiring at high ambient temperature and increased mechanical stress, e.g. - Glass and ceramic fabrication - Industrial furnaces - Electric heating systems
HMC0403	2	328	100	17.0	7.7	(32x0.20) SA	17	1.00		0.323	8.20	
HMC0404	3	328	100	22.0	10.0	(32x0.20) SA	17	1.00		0.343	8.70	
HMC0405	4	328	100	27.6	12.5	(32x0.20) SA	17	1.00		0.382	9.70	
HMC0406	5	328	100	34.6	15.7	(32x0.20) SA	17	1.00		0.417	10.60	
HMC0407	2	328	100	20.3	9.2	(30x0.25) SA	16	1.50		0.346	8.80	
HMC0408	3	328	100	26.5	12.0	(30x0.25) SA	16	1.50		0.370	9.40	
HMC0409	4	328	100	33.3	15.1	(30x0.25) SA	16	1.50		0.409	10.40	
HMC0410	5	328	100	41.9	19.0	(30x0.25) SA	16	1.50		0.445	11.30	
HMC0411	2	328	100	27.3	12.4	(50x0.25) SA	14	2.50		0.374	9.50	
HMC0412	3	328	100	34.8	15.8	(50x0.25) SA	14	2.50		0.398	10.10	
HMC0413	4	328	100	44.1	20.0	(50x0.25) SA	14	2.50		0.437	11.10	
HMC0414	5	328	100	54.0	24.5	(50x0.25) SA	14	2.50		0.484	12.30	
HMC0415	2	328	100	37.9	17.2	(56x0.30) SA	12	4		0.437	11.10	
HMC0416	3	328	100	52.5	23.8	(56x0.30) SA	12	4		0.469	11.90	
HMC0417	4	328	100	67.5	30.6	(56x0.30) SA	12	4		0.516	13.10	
HMC0418	5	328	100	89.1	40.4	(56x0.30) SA	12	4		0.571	14.50	
HMC0419	2	328	100	51.6	23.4	(84x0.30) SA	10	6		0.484	12.30	
HMC0420	3	328	100	71.4	32.4	(84x0.30) SA	10	6		0.520	13.20	
HMC0421	4	328	100	91.9	41.7	(84x0.30) SA	10	6		0.571	14.50	
HMC0422	5	328	100	116.6	52.9	(84x0.30) SA	10	6		0.634	16.10	

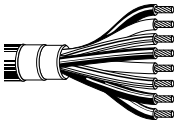
SA = Special Alloy • DCR = DC resistance

Micaflame® – Glass Braid

Multicore Cables

300/500V, 1550°C short term, 300°C permanent

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
1550°C • 17 - 10 AWG • Stranded Nickel-Plated Copper Wire • Glass Fiber Shield • Overall Impregnated Glass Fiber Braid													
Micaflame® Insulation (Color Code: see chart 11, Tech Info Section)													
										Overall Glass Fiber Braid			For wiring at high ambient temperature and increased mechanical stress. These cables are fire resistant and offer at least 15 minutes insulation integrity in liquid steel or aluminium, e.g. - Glass and ceramic fabrication - Industrial furnaces - Electric heating systems
HMC0423	2	328	100	23.4	10.6	(32x0.20) NPC	17	1.00		0.402	10.20	
HMC0424	3	328	100	31.5	14.3	(32x0.20) NPC	17	1.00		0.433	11.00	
HMC0425	4	328	100	39.9	18.1	(32x0.20) NPC	17	1.00		0.476	12.10	
HMC0426	5	328	100	50.7	23.0	(32x0.20) NPC	17	1.00		0.524	13.30	
HMC0427	2	328	100	26.7	12.1	(30x0.25) NPC	16	1.50		0.421	10.70	
HMC0428	3	328	100	36.2	16.4	(30x0.25) NPC	16	1.50		0.453	11.50	
HMC0429	4	328	100	45.9	20.8	(30x0.25) NPC	16	1.50		0.496	12.60	
HMC0430	5	328	100	58.6	26.6	(30x0.25) NPC	16	1.50		0.551	14.00	
HMC0431	2	328	100	33.1	15.0	(50x0.25) NPC	14	2.50		0.465	11.80	
HMC0432	3	328	100	45.4	20.6	(50x0.25) NPC	14	2.50		0.492	12.50	
HMC0433	4	328	100	58.4	26.5	(50x0.25) NPC	14	2.50		0.543	13.80	
HMC0434	5	328	100	73.2	33.2	(50x0.25) NPC	14	2.50		0.606	15.40	
HMC0435	2	328	100	41.4	18.8	(56x0.30) NPC	12	4		0.500	12.70	
HMC0436	3	328	100	57.8	26.2	(56x0.30) NPC	12	4		0.535	13.60	
HMC0437	4	328	100	74.3	33.7	(56x0.30) NPC	12	4		0.591	15.00	
HMC0438	5	328	100	91.5	41.5	(56x0.30) NPC	12	4		0.654	16.60	
HMC0439	2	328	100	52.5	23.8	(84x0.30) NPC	10	6		0.555	14.10	
HMC0440	3	328	100	74.1	33.6	(84x0.30) NPC	10	6		0.594	15.10	
HMC0441	4	328	100	98.8	44.8	(84x0.30) NPC	10	6		0.650	16.50	
HMC0442	5	328	100	124.6	56.5	(84x0.30) NPC	10	6		0.728	18.50	



(Jacket optional)

NPC = Nickel-Plated Copper • DCR = DC resistance

PVC LiY(St)CY

Multicore Cables
500V, 80°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
80°C • 22 - 14 AWG • Stranded Bare Copper Wire • Overall Alufoil • >65 % Overall Bare Copper Braid													
PVC Insulation (Color Code: see chart 11, Tech Info Section) • **Grey PVC Flame Retardant Jacket**													
		IEC 332								Overall Alufoil + Overall 65% BC Braid			- Survey and data transmission - Check and drive systems - Measure and monitor systems - Interconnection of computer networks and outskirts interface
HMC0444	2	328	100	70.5	32.0	(11x0.193) BC	22	0.35		0.169	4.30	
HMC0445	3	328	100	77.2	35.0	(11x0.193) BC	22	0.35		0.177	4.50	
HMC0446	4	328	100	88.2	40.0	(11x0.193) BC	22	0.35		0.189	4.80	
HMC0447	5	328	100	110.2	50.0	(11x0.193) BC	22	0.35		0.228	5.80	
HMC0448	6	328	100	121.3	55.0	(11x0.193) BC	22	0.35		0.232	5.90	
HMC0449	7	328	100	143.3	65.0	(11x0.193) BC	22	0.35		0.236	6.00	
HMC0451	2	328	100	79.4	36.0	(16x0.193) BC	20	0.50		0.181	4.60	
HMC0452	3	328	100	92.6	42.0	(16x0.193) BC	20	0.50		0.189	4.80	
HMC0453	4	328	100	123.5	56.0	(16x0.193) BC	20	0.50		0.228	5.80	
HMC0454	5	328	100	134.5	61.0	(16x0.193) BC	20	0.50		0.248	6.30	
HMC0455	6	328	100	156.5	71.0	(16x0.193) BC	20	0.50		0.252	6.40	
HMC0456	7	328	100	169.8	77.0	(16x0.193) BC	20	0.50		0.256	6.50	
HMC0457	8	328	100	202.8	92.0	(16x0.193) BC	20	0.50		0.283	7.20	
HMC0458	10	328	100	249.1	113.0	(16x0.193) BC	20	0.50		0.335	8.50	
HMC0459	12	328	100	337.3	153.0	(16x0.193) BC	20	0.50		0.354	9.00	
HMC0461	2	328	100	92.6	42.0	(22x0.193) BC	18	0.75		0.209	5.30	
HMC0462	3	328	100	130.1	59.0	(22x0.193) BC	18	0.75		0.244	6.20	
HMC0463	4	328	100	143.3	65.0	(22x0.193) BC	18	0.75		0.248	6.30	
HMC0464	5	328	100	165.3	75.0	(22x0.193) BC	18	0.75		0.264	6.70	
HMC0465	6	328	100	196.2	89.0	(22x0.193) BC	18	0.75		0.268	6.80	
HMC0466	7	328	100	209.4	95.0	(22x0.193) BC	18	0.75		0.276	7.00	
HMC0467	8	328	100	244.7	111.0	(22x0.193) BC	18	0.75		0.299	7.60	
HMC0468	10	328	100	306.4	139.0	(22x0.193) BC	18	0.75		0.358	9.10	
HMC0469	12	328	100	350.5	159.0	(22x0.193) BC	18	0.75		0.374	9.50	
HMC0471	2	328	100	123.5	56.0	(20x0.243) BC	17	1.00		0.240	6.10	
HMC0472	3	328	100	160.9	73.0	(20x0.243) BC	17	1.00		0.248	6.30	
HMC0473	4	328	100	213.8	97.0	(20x0.243) BC	17	1.00		0.291	7.40	
HMC0474	5	328	100	238.1	108.0	(20x0.243) BC	17	1.00		0.311	7.90	
HMC0475	6	328	100	264.6	120.0	(20x0.243) BC	17	1.00		0.319	8.10	
HMC0476	7	328	100	304.2	138.0	(20x0.243) BC	17	1.00		0.335	8.50	
HMC0477	8	328	100	357.1	162.0	(20x0.243) BC	17	1.00		0.370	9.40	

BC = Bare Copper • DCR = DC resistance

PVC LiY(St)CY

Multicore Cables
500V, 80°C

De-scription	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
80°C • 22 - 14 AWG • Stranded Bare Copper Wire • Overall Alufoil • >65% Overall Bare Copper Braid *(continued)*													
PVC Insulation (Color Code: see chart 11, Tech Info Section) • **Grey PVC Flame Retardant Jacket**													
		IEC 332								Overall Alufoil + Overall 65% BC Braid			- Survey and data transmission - Check and drive systems - Measure and monitor systems - Interconnection of computer networks and outskirts interface
	HMC0479	2	328	100	213.8	97.0	(28x0.245) BC	16	1.50		0.272	6.90	
	HMC0480	3	328	100	213.8	97.0	(28x0.245) BC	16	1.50		0.280	7.10	
	HMC0481	4	328	100	213.8	97.0	(28x0.245) BC	16	1.50		0.331	8.40	
	HMC0482	5	328	100	213.8	97.0	(28x0.245) BC	16	1.50		0.362	9.20	
	HMC0483	6	328	100	213.8	97.0	(28x0.245) BC	16	1.50		0.374	9.50	
	HMC0484	3	328	100	213.8	97.0	(48x0.243) BC	14	2.50		0.319	8.10	
	HMC0485	4	328	100	363.8	165.0	(48x0.243) BC	14	2.50		0.366	9.30	

BC = Bare Copper • DCR = DC resistance

PVC LiY CY

Multicore Cables
750V, 80°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application
80°C • 24 - 14 AWG • Stranded Bare or Tinned Copper Wire • >80 % Overall Bare Copper Braid													
PVC Insulation (Color Code: see chart 11, Tech Info Section) • **Grey Oil Proof and Flame Retardant PVC Jacket**													
		IEC 332								+ Overall 80 % BC Braid			- Survey and data transmission - Check and drive systems - Measure and monitor systems - Interconnection of computer networks and outskirts interface
HMC0486	1	328	100	33.1	15.0	(8x0.193) BC	24	0.25		0.118	3.00	
HMC0487	2	328	100	57.3	26.0	(8x0.193) BC	24	0.25		0.161	4.10	
HMC0488	3	328	100	70.5	32.0	(8x0.193) BC	24	0.25		0.173	4.40	
HMC0489	4	328	100	79.4	36.0	(8x0.193) BC	24	0.25		0.181	4.60	
HMC0490	5	328	100	103.6	47.0	(8x0.193) BC	24	0.25		0.217	5.50	
HMC0491	6	328	100	112.4	51.0	(8x0.193) BC	24	0.25		0.220	5.60	
HMC0492	7	328	100	127.9	58.0	(8x0.193) BC	24	0.25		0.228	5.80	
HMC0493	8	328	100	136.7	62.0	(8x0.193) BC	24	0.25		0.236	6.00	
HMC0494	1	328	100	37.5	17.0	(11x0.193) BC	22	0.35		0.122	3.10	
HMC0495	2	328	100	72.8	33.0	(11x0.193) BC	22	0.35		0.173	4.40	
HMC0496	3	328	100	79.4	36.0	(11x0.193) BC	22	0.35		0.181	4.60	
HMC0497	4	328	100	90.4	41.0	(11x0.193) BC	22	0.35		0.193	4.90	
HMC0498	5	328	100	114.6	52.0	(11x0.193) BC	22	0.35		0.232	5.90	
HMC0499	6	328	100	125.7	57.0	(11x0.193) BC	22	0.35		0.236	6.00	
HMC0500	7	328	100	149.9	68.0	(11x0.193) BC	22	0.35		0.240	6.10	
HMC0501	8	328	100	174.2	79.0	(11x0.193) BC	22	0.35		0.248	6.30	
HMC0502	1	328	100	39.7	18.0	(16x0.193) BC	20	0.50		0.126	3.20	
HMC0503	2	328	100	81.6	37.0	(16x0.193) BC	20	0.50		0.185	4.70	
HMC0504	3	328	100	94.8	43.0	(16x0.193) BC	20	0.50		0.193	4.90	
HMC0505	4	328	100	125.7	57.0	(16x0.193) BC	20	0.50		0.232	5.90	
HMC0506	5	328	100	136.7	62.0	(16x0.193) BC	20	0.50		0.252	6.40	
HMC0507	6	328	100	158.7	72.0	(16x0.193) BC	20	0.50		0.256	6.50	
HMC0508	7	328	100	172.0	78.0	(16x0.193) BC	20	0.50		0.260	6.60	
HMC0509	8	328	100	211.6	96.0	(16x0.193) BC	20	0.50		0.287	7.30	
HMC0510	10	328	100	251.3	114.0	(16x0.193) BC	20	0.50		0.339	8.60	
HMC0511	2	328	100	97.0	44.0	(22x0.193) BC	18	0.75		0.213	5.40	
HMC0512	3	328	100	130.1	59.0	(22x0.193) BC	18	0.75		0.248	6.30	
HMC0513	4	328	100	145.5	66.0	(22x0.193) BC	18	0.75		0.268	6.80	
HMC0514	2	328	100	125.7	57.0	(20x0.243) BC	17	1.00		0.244	6.20	
HMC0515	3	328	100	163.1	74.0	(20x0.243) BC	17	1.00		0.252	6.40	
HMC0516	4	328	100	216.1	98.0	(20x0.243) BC	17	1.00		0.295	7.50	
HMC0517	5	328	100	240.3	109.0	(20x0.243) BC	17	1.00		0.315	8.00	

BC = Bare Copper • DCR = DC resistance

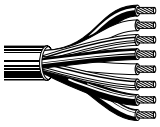
PVC LiY CY

Multicore Cables
750V, 80°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application
80°C • 24 - 14 AWG • Stranded Bare or Tinned Copper Wire • >80% Overall Bare Copper Braid *(continued)*													
PVC Insulation (Color Code: see chart 11, Tech Info Section) • **Grey Oil Proof and Flame Retardant PVC Jacket**													
		IEC 332								+ Overall 80% BC Braid			- Survey and data transmission - Check and drive systems - Measure and monitor systems - Interconnection of computer networks and outskirts interface
													
	HMC0518	2	328	100	169.8	77.0	(28x0.245) BC	16	1.50		0.276	7.00	
	HMC0519	3	328	100	207.2	94.0	(28x0.245) BC	16	1.50		0.287	7.30	
	HMC0520	4	328	100	269.0	122.0	(28x0.245) BC	16	1.50		0.335	8.50	
	HMC0521	5	328	100	363.8	165.0	(28x0.245) BC	16	1.50		0.386	9.80	
	HMC0522	2	328	100	231.5	105.0	(48x0.243) BC	14	2.50		0.327	8.30	
	HMC0523	3	328	100	319.7	145.0	(48x0.243) BC	14	2.50		0.339	8.60	

PVC 07BQ-F

Multicore Cables
450/750V, 75°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD Inch	Nominal OD mm	Application
80°C • 17 - 14 AWG • Stranded Bare Copper Wire													
PVC Insulation (Color Code: see chart 12, Tech Info Section) • **Orange Oil Resistant PUR Jacket**													
										Unshielded			- Small electrotools - For mobile tools, not for heavy duty
													
	HMC0524	2	328	100	134.5	61.0	(20x0.243) BC	17	1.00		0.268	6.80	
	HMC0525	3	328	100	154.3	70.0	(20x0.243) BC	17	1.00		0.272	6.90	
	HMC0526	4	328	100	216.1	98.0	(20x0.243) BC	17	1.00		0.315	8.00	
	HMC0527	2	328	100	176.4	80.0	(28x0.245) BC	16	1.50		0.299	7.60	
	HMC0528	3	328	100	216.1	98.0	(28x0.245) BC	16	1.50		0.323	8.20	
	HMC0529	4	328	100	297.6	135.0	(28x0.245) BC	16	1.50		0.366	9.30	
	HMC0530	3	328	100	350.5	159.0	(48x0.243) BC	14	2.50		0.398	10.10	

BC = Bare Copper • DCR = DC resistance