Composite Data, Audio, Video, Security and Control Cables

Multimedia Control Cables

RESIDENTIAL

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	Shielding Material	Nominal Insulation OD inch	Nominal Insulation OD mm	Component	Description	Shielding Material & Nom. DCR	Jacket Material & Colors	Insulation OD inch	Insulation OD mm
Control • **(1) Data** 22 AWG Stranded (7x30) 0.8 mm TC • Twisted Pair with **Beldfoil®** Shield • 24 AWG TC Drain Wire • **(2) Power** 18 AWG (16x30) TC Unshielded Pair • Rip Cord																
HDFPE Insulation (Data) • F-R PVC Insulation (Power) • F-R PVC Jacket (Black, White and Aqua)																
300V 75°C	**1502R**	NEC: CMR CEC: CMG FT4	500 1000	152 305	20.1 44.1	9.1 20.0	–	Beldfoil®	0.250	6.35	1 x Data	1-Pair 22 AWG 0.8 mm (7x30) TC	Overall Beldfoil® 100 % + Drain Wire (24 AWG TC)	HDFPE Blue White	–	–
											1 x Power	2 Conductors 18 AWG 1.2 mm (16x30) TC	Unshielded	F-R-PVC Red Black	–	–
Rip Cord																
1 STP + 2 CDR																
Sequential footing marking every 0.6 m.												Pulling Tension: 266 N				

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22 AWG • Solid 0.6 mm Bare Copper • Twisted Pair																			
Polyolefin Insulation • White FRNC/LSNH Jacket																			
80°C	**7701NH**	IEC 33203C BS 7655	1000 1640	305 500	10.6 17.6	4.8 8.0	0.64 mm 22 AWG Solid BC	0.046	1.17	Unshielded	0.138	3.50	100	68%	14.0	46.0	0.772 1 4 10 16 20	0.4 0.5 0.9 1.5 1.9 2.1	1.3 1.5 3.1 4.9 6.3 6.9
Color Code: White/Blue and Blue/White																			
LonWorks																			

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

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20 AWG • Solid 0.8 mm Bare Copper • Twisted Pair • Plastic Foil • 26 AWG Bare Copper Drain Wire																		
PVC Insulation • Green F-R PVC Jacket																		
300V RMS 70°C	**YE00820**	NEC:	100	30	11.5	5.2	0.81 mm	0.056	1.43	Overall	0.276	7.00	–	73	CDR/CDR	30.0	100.0	Red, Black
		CMR	500	152	57.3	26.0	20 AWG			Alu-foil					CDR/SCR	91.0	300.0	White, Yellow
		CEC:	1000	305	114.6	52.0	Solid BC			+ Drain Wire								
		CMR FT4								(26 AWG BC)								
																		
EIB/KNX																		
			Pulling Tension: 50 N															
PVC Insulation • Green F-R LSNH/FRNC Jacket																		
300V RMS 70°C	**YE00906**	NEC:	100	30	12.3	5.6	0.81 mm	0.063	1.60	Overall	0.283	7.20	–	73	CDR/CDR	30.0	100.0	Red, Black
		CMR	500	152	61.7	28.0	20 AWG			Alu-foil					CDR/SCR	91.0	300.0	White, Yellow
		CEC:	1000	305	123.5	56.0	Solid BC			+ Drain Wire								
		CMR FT4								(26 AWG BC)								
																		
EIB/KNX																		
			Pulling Tension: 50 N															
16 AWG • Stranded (19x29) 1.5 mm Tinned Copper • Twisted Pair																		
PVC Insulation • Chrome PVC Jacket																		
300V 60°C UL AWM Style 2598	**8471**	NEC:	U-500	U-152	21.0	9.5	1.47 mm	0.105	2.67	Unshielded	0.274	6.96	–	–	CDR/CDR	30.0	100.0	Black, White
		CMG	500	152	20.0	9.1	16 AWG											
		CEC:	U-1000	U-305	41.0	18.6	(19x29) TC											
		CMG FT4	1000	305	43.0	19.5												
																		
LonWorks																		
			Pulling Tension: 271 N															

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