

**Broadband Coax**

Trunk Cables



De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric)		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ( )	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/ 100 ft.	dB/ 100 m

**Coax 3C • Solid 3.38 mm Bare Copper • Copper-Foil • 60% Bare Copper Braid**

**Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green)**

70°C	<b>CX3C0</b>		2296	700	496.9	225.4	3.38 mm	0.587	14.90	Cu-foil + 60% BC Braid	0.780	19.80	75	84%	16.5	54.0	5	0.1	0.4
			3444	1050	745.4	338.1	Solid BC 4.5 /km* 1.9 /km**										2.6 /km*** 15.8 mm	100	0.5
			Return loss at			5-470 MHz: 26 dB	Screening attenuation at 30-1000 MHz: 100 dB									1000	2.0	6.5	
						470-1000 MHz: 23 dB	Transfer impedance at 5-30 MHz: 0.8 m /m									1350	2.3	7.7	
						1000-2150 MHz: 18 dB	Screening Class: A++									1750	2.7	9.0	
							Pulling Tension: 1200 N									2150	3.1	10.2	
																2400	3.3	10.9	



FB20

70°C	<b>CX3C3</b>		2296	700	626.5	284.2	3.38 mm	0.587	14.90	Cu-foil + 60% BC Braid	0.780	19.80	75	84%	16.5	54.0	see above		
						Solid BC 4.5 /km* 1.9 /km**	2.6 /km*** 15.8 mm												



FB20

Available in Black.  
7.2 mm ZP messenger

Return loss at			5-470 MHz: 26 dB	Screening attenuation at 30-1000 MHz: 100 dB											
			470-1000 MHz: 23 dB	Transfer impedance at 5-30 MHz: 0.8 m /m											
			1000-2150 MHz: 18 dB	Screening Class: A++											
				Pulling Tension: 6000 N											

**Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket**

70°C	<b>CX3C2</b>	IEC 332-1	2296	700	620.4	281.4	3.38 mm	0.587	14.90	Cu-foil + 60% BC Braid	0.780	19.80	75	84%	16.5	54.0	see above		
						Solid BC 4.5 /km* 1.9 /km**	2.6 /km*** 15.8 mm												



FB20

Return loss at			5-470 MHz: 26 dB	Screening attenuation at 30-1000 MHz: 100 dB											
			470-1000 MHz: 23 dB	Transfer impedance at 5-30 MHz: 0.8 m /m											
			1000-2150 MHz: 18 dB	Screening Class: A++											
				Pulling Tension: 1200 N											

**Coax 3C • Solid 3.38 mm Bare Copper • Copper-Foil**

**Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green)**

70°C	<b>CX3C1</b>		2296	700	419.8	190.4	3.38 mm	0.587	14.90	Cu-foil	0.709	18.00	75	84%	16.5	54.0	see above		
			3444	1050	629.6	285.6	Solid BC 4.5 /km* 1.9 /km**										2.6 /km*** 15.3 mm		



FB18

Return loss at			5-470 MHz: 26 dB	Screening attenuation at 30-1000 MHz: 100 dB											
			470-1000 MHz: 23 dB	Transfer impedance at 5-30 MHz: 0.8 m /m											
			1000-2150 MHz: 18 dB	Screening Class: A++											
				Pulling Tension: 1200 N											

\* DC loop resistance • \*\* DC resistance inner conductor • \*\*\* DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • ZP = Stranded Zinc-Plated Steel

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			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/ 100 ft.	dB/ 100 m

**Coax 3.5A • Solid 3.15 mm Copper-Clad Aluminium • Welded Aluminium Tube**

**Gas-Injected Foam Polyethylene Insulation • Black Polyethylene Jacket**

70°C	<b>YE00131</b>		3280	1000	282.2	128.0	3.15 mm Solid CCA 5.55 /km* 3.5 /km**	0.513	13.03	Welded Aluminum Tube 2.05 /km*** 13.72 mm	0.610	15.50	75	88%	15.2	50.0	5	0.1	0.5
																	50	0.5	1.5
																	100	0.6	2.1
																	200	1.0	3.1
																	400	1.4	4.5
																	862	2.1	6.9
																	1000	2.3	7.4
Flooded							Return loss at	30-450 MHz: 30 dB 450-600 MHz: 28 dB 600-1000 MHz: 26 dB											Screening attenuation at 50-2150 MHz: 100 dB

70°C	<b>YE00132</b>		3280	1000	407.9	185.0	3.15 mm Solid CCA 5.55 /km* 3.5 /km**	0.513	13.03	Welded Aluminum Tube 2.05 /km*** 13.72 mm	0.610	15.50	75	88%	15.2	50.0				see above
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							Return loss at	30-450 MHz: 30 dB 450-600 MHz: 28 dB 600-1000 MHz: 26 dB											Screening attenuation at 50-2150 MHz: 100 dB
							2.75 mm Steel Wire messenger												

\* DC loop resistance • \*\* DC resistance inner conductor • \*\*\* DC resistance outer conductor • DCR = DC resistance • CCA = Copper-Clad Aluminium

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De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric)		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ( )	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/ 100 ft.	dB/ 100 m
<b>Coax 4C • Solid 2.23 mm Bare Copper • Copper-Foil • 60% Bare Copper Braid</b>																			
<b>Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green)</b>																			
70°C	CX4C0		1640	500	183.0	83.0	2.23 mm	0.402	10.20	Cu-foil + 60% BC Braid 4.5 /km*** 11.0 mm	0.543	13.80	75	82%	16.5	54.0	5	0.2	0.6
			3280	1000	366.0	166.0	Solid BC 9.0 /km* 4.5 /km**	50	0.6								1.9		
																			
FB14																			
Return loss at 5-470 MHz: 26 dB      Screening attenuation at 30-1000 MHz: 100 dB																			
470-1000 MHz: 23 dB      Transfer impedance at 5-30 MHz: 1.9 m /m																			
1000-2150 MHz: 18 dB      Screening Class: A+ Pulling Tension: 400 N																			
1000	3.0	10.0																	
1350	3.6	11.9																	
1750	4.2	13.9																	
2150	4.8	15.7																	
2400	5.1	16.8																	
70°C	CX4C3		1640	500	248.0	112.5	2.23 mm	0.402	10.20	Cu-foil + 60% BC Braid 4.5 /km*** 11.0 mm	0.543	13.80	75	82%	16.5	54.0	see above		
																			
FB14																			
Return loss at 5-470 MHz: 26 dB      Screening attenuation at 30-1000 MHz: 100 dB																			
470-1000 MHz: 23 dB      Transfer impedance at 5-30 MHz: 1.9 m /m																			
1000-2150 MHz: 18 dB      Screening Class: A+ Pulling Tension: 6000 N																			
Available in Black. 5.8 mm ZP messenger																			
<b>Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket</b>																			
70°C	CX4C2	IEC 332-1	1640	500	211.6	96.0	2.23 mm	0.402	10.20	Cu-foil + 60% BC Braid 4.5 /km*** 11.0 mm	0.543	13.80	75	82%	16.5	54.0	see above		
																			
FB14																			
Return loss at 5-470 MHz: 26 dB      Screening attenuation at 30-1000 MHz: 100 dB																			
470-1000 MHz: 23 dB      Transfer impedance at 5-30 MHz: 1.9 m /m																			
1000-2150 MHz: 18 dB      Screening Class: A+ Pulling Tension: 400 N																			
<b>Coax 4C • Solid 2.23 mm Bare Copper • Copper-Foil</b>																			
<b>Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green)</b>																			
70°C	CX4C1		1640	500	177.5	80.5	2.23 mm	0.402	10.20	Cu-foil 4.5 /km*** 10.6 mm	0.543	13.80	75	82%	16.5	54.0	see above		
																			
FB14																			
Return loss at 5-470 MHz: 26 dB      Screening attenuation at 30-1000 MHz: 100 dB																			
470-1000 MHz: 23 dB      Transfer impedance at 5-30 MHz: 1.9 m /m																			
1000-2150 MHz: 18 dB      Screening Class: A+ Pulling Tension: 600 N																			

\* DC loop resistance • \*\* DC resistance inner conductor • \*\*\* DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • ZP = Stranded Zinc-Plated Steel