

Product Description

The 600C Series Central Office (CO) Cables are designed for use between switching and transmission equipment for distances up to 650 feet. This series offers the lowest attenuation of all the CO cable products by using 22 AWG conductors. It is manufactured with a dual foil shield for additional Electromagnetic Interference (EMI) reduction. The 600C series meets or exceeds all applicable requirements of Telcordia GR-137 specifications.

Applications

- T1/DS1
- T1C/DS1C
- DS2

Features

- 22 AWG tinned copper conductors
- Solid Polyolefin insulation
- 100 Ohm nominal Impedance
- Dual aluminum foil shield
- Tinned copper drain wire
- CMR listed
- Rip cord
- Band marked

Benefits

- Low attenuation, enabling longer run length; tinned copper conductors minimize change in wire-wrap joint resistance
- Greater crush resistance and improved transmission characteristics; smaller cable over dual insulated type
- Impedance mismatch with OSP cable is minimized
- Higher EMI isolation over a single foil shield; smaller cable diameter than 600B Series
- Easier termination and superior grounding wire
- Suitable for horizontal and riser installations
- Added ease of jacket removal
- Easy identification of conductor ring mates



Specifications

Conductor	Tinned copper
Insulation	Polyolefin
Shield	Dual aluminum foil
Jacket	Gray PVC printed at 2 foot intervals including product identification, pair count, UL information and sequential lengths in feet and meters
Performance Compliance	Telcordia GR-137-CORE, Issue 2, May 2013 Telcordia GR-499-CORE (Pulse shape compliance at 650 feet) ASTM B33 - Tinned Copper UL 444 CSA C22.2 No. 214-08 UL 1666 RoHS-compliant
NRTL Programs	UL, c(UL) Listed CMR

Part Numbers and Physical Characteristics

Part Number	Product Code	Pair Count	AWG (mm)	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Standard Length ft (m)	Package
155-299-38	605C	4	22 (0.6)	0.29 (7.4)	40 (60)	10,000 (3,048)	Reel
155-399-38	606C	6	22 (0.6)	0.33 (8.3)	52 (77)	10,000 (3,048)	Reel
155-499-38	607C	12	22 (0.6)	0.43 (10.9)	89 (132)	7,000 (2,133)	Reel
155-599-38	608C	16	22 (0.6)	0.49 (12.4)	118 (176)	7,000 (2,133)	Reel
155-699-38	617C	20	22 (0.6)	0.53 (13.4)	141 (210)	5,000 (1,524)	Reel
155-799-38	609C	25	22 (0.6)	0.58 (14.7)	172 (256)	5,000 (1,524)	Reel
155-899-38	616C	28	22 (0.6)	0.61 (15.5)	189 (281)	5,000 (1,524)	Reel
155-999-38	613C	30	22 (0.6)	0.64 (16.2)	201 (299)	5,000 (1,524)	Reel
155-A99-38	615C	32	22 (0.6)	0.65 (16.5)	213 (317)	5,000 (1,524)	Reel
155-B99-38	610C	50	22 (0.6)	0.79 (20.0)	324 (482)	3,000 (914)	Reel
155-C99-38	618C	56	22 (0.6)	0.82 (20.8)	359 (534)	3,000 (914)	Reel

Electrical Specifications

Frequency MHz	PSNEXT Mean		PSNEXT Worst Pair	
	Minimum dB	Typical dB	Minimum dB	Typical dB
0.15	58	66	53	60
0.772	47	53	42	48
1.6	43	47	38	43
3.15	38	42	33	37
6.3	34	38	29	32

Bit Rate Mb/s	Attenuation @ 68°F (20°C)		Conductor DC Resistance @ 68°F (20°C) Maximum Individual Ohms/kft (Ohms/km)	Mutual Capacitance Nominal pF/ft (pF/m)	Characteristic Impedance @ 0.772 MHz Ohms	
	Frequency MHz	Maximum Average* dB/kft (dB/100 m)				Typical dB/kft (dB/100 m)
1.544	0.772	5.0 (1.6)	4.0 (1.3)	18 (59.1)	16 (52)	102 ± 15.3