



Product Description

The 200A and 800A Series Central Office (CO) Cables are designed for indoor use in central offices or in premises telephone rooms, and are utilized between a distribution frame and digital switching/transmission equipment. This series offers 24 and 26 AWG tinned copper at 100 Ohm characteristic impedance levels. Used primarily in Canada, the color code and lay-up scheme has distinctively colored insulation in combination with single dots and double dots or dashes of colored ink. Each wire within a unit is readily distinguishable from all other wires within the same unit. Cables may contain pairs or a combination of pairs and singles. The pairs and singles are assembled together to form a core. Some cable sizes contain “spare pairs.” The core is covered by a gray PVC jacket. The 200A and 800A series meet or exceed all applicable requirements of Telcordia GR-137.

Applications

- T1/DS1
- T1C/DS1C

Features

- 24 and 26 AWG tinned copper conductors
- Solid PVC insulation
- 100 Ohm nominal impedance
- Standard pair lays
- CMR listed
- Non-shielded design
- Rip cord

Benefits

- Small diameter and light weight result in smaller cable bundles and easier handling; tinned copper conductors minimize change in wire-wrap joint resistance
- Greater crush resistance and improved transmission characteristics
- Impedance mismatch with OSP cable is minimized
- Improved crosstalk performance and pair identification
- Suitable for horizontal and riser installations
- Lower cost
- Added ease of jacket removal

Specifications

Conductor	Tinned copper
Insulation	PVC
Jacket	Gray PVC
Jacket Marking	Printed at 2 foot intervals on the jacket; information includes product identification, pair count, UL information and sequential lengths in feet and meters
Performance Compliance	Telcordia GR-137-CORE, Issue 2, May 2013 (select sections) 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
155-399-46	252A	6	24 (0.5)	0.22 (5.6)	26 (39)	3,000 (915)	Reel
155-699-46	255A	20	24 (0.5)	0.35 (8.9)	78 (116)	3,000 (915)	Reel
155-E99-46	262A	101.5	24 (0.5)	0.82 (21)	383 (570)	400 (120)	Reel
155-G99-46	253A	10	24 (0.5)	0.31 (7.9)	44 (65)	3,000 (915)	Reel
155-N99-46	266A	24	24 (0.5)	0.42 (11)	94 (140)	1,200 (365)	Reel
155-P99-46	269A	36	24 (0.5)	0.44 (11)	134 (199)	1,000 (305)	Reel
155-599-47	807A	17	26 (0.4)	0.26 (6.6)	47 (70)	3,000 (915)	Reel
155-A99-47	808A	33	26 (0.4)	0.37 (9.4)	86 (128)	2,000 (610)	Reel
155-E12-47	850A	100	26 (0.4)	0.65 (17)	265 (394)	2,000 (610)	Reel
155-R99-47	809A	66	26 (0.4)	0.51 (13)	164 (244)	1,325 (405)	Reel
155-H99-47	810A	132	26 (0.4)	0.67 (17)	330 (491)	700 (215)	Reel
155-Y99-47	821A	52	26 (0.4)	0.45 (11)	131 (195)	1,100 (335)	Reel
155-N99-47	824A	25	26 (0.4)	0.32 (8.1)	66 (98)	2,400 (730)	Reel
155-E99-47	806A	103	26 (0.4)	0.65 (17)	265 (394)	1,000 (305)	Reel

Note: Standard Canadian Color Scheme

Electrical Specifications

Conductor Size AWG (mm)	Conductor DC Resistance @ 68°F (20°C) Maximum Individual Ohms/kft (Ohms/km)	Mutual Capacitance Nominal pF/ft (pF/m)	Characteristic Impedance @ 1 MHz Ohms	Maximum Average Attenuation* @ 0.772 MHz @ 68°F (20°C) dB/kft (dB/km)
24 (0.5)	28.6 (93.8)	20 (66)	100 ± 15	6.3 (20.7)
26 (0.4)	46.1 (151)	20 (66)	100 ± 15	7.8 (25.6)