

## PRODUCT DESCRIPTION

The T100 Series Central Office (CO) Cables are designed for use between switching and transmission equipment for distances up to 450 feet. They are manufactured with a longitudinal aluminum-polyester foil shield with aluminum facing the jacket for additional Electromagnetic Interference (EMI) reduction. The pairs are stranded together utilizing distinctive colored insulation in combination with markings of colored ink. The outer jacket is a gray flame retardant PVC. T100 series meets or exceeds all applicable requirements of Telcordia GR-137 specifications.

## APPLICATIONS

- T1/DS1
- T1C/DS1C

## FEATURES

- 24 AWG tinned copper conductors
- CMR listed
- Solid PVC insulation
- 100 Ohm nominal impedance
- Standard pair lays
- Longitudinal aluminum/polyester foil shield with aluminum facing the jacket
- 24 AWG tinned copper drain wire
- Rip cord
- Band marked

## BENEFITS

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



## SPECIFICATIONS

Conductor	Tinned copper
Insulation	PVC
Shield	Aluminum/polyester foil
Jacket	Gray PVC
Jacket Marking	Printed at 2 foot intervals; information includes product identification, pair count, UL information and sequential lengths in feet and meters
Performance Compliance	Telcordia GR-137-CORE (select sections) ASTM B33 - Tinned Copper UL 444 (pulse shape compliance at 450 feet) 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
55-399-43	T106	6	24 (0.5)	0.30 (7.6)	37 (55)	6,644 (2,025)	Reel
55-F99-43	T108	8	24 (0.5)	0.31 (7.9)	45 (67)	5,578 (1,700)	Reel
55-499-43	T112	12	24 (0.5)	0.34 (8.6)	59 (88)	6,644 (2,025)	Reel
55-599-43	T116	16	24 (0.5)	0.36 (9.1)	74 (110)	6,644 (2,025)	Reel
55-699-43	T120	20	24 (0.5)	0.41 (10)	91 (135)	5,315 (1,620)	Reel
55-799-43	T125	25	24 (0.5)	0.43 (11)	106 (158)	5,315 (1,620)	Reel
55-899-43	T128	28	24 (0.5)	0.44 (11)	114 (170)	5,000 (1,524)	Reel
55-999-43	T130	30	24 (0.5)	0.44 (11)	121 (180)	4,429 (1,350)	Reel
55-A99-43	T132	32	24 (0.5)	0.47 (12)	131 (195)	3,937 (1,200)	Reel

## ELECTRICAL SPECIFICATIONS

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)
28.6 (93.8)	20 (66)	100 ± 15	7.2 (23.6)