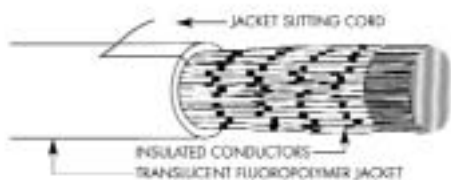


6.10.3-A D-Inside Riser - Multi-pair**6.10.3-B D-Flex Plenum - 6-pair****6.10.3-C D-Plenum - Multi-pair**

D-Series Cable, Category 3

DESCRIPTION

D-Series are multi-pair plenum and riser rated backbone cables that meets and exceeds ANSI/TIA/EIA-568-A and CSA T529-95 specifications for Category 3 transmission characteristics.

FEATURES & BENEFITS

- ANSI/TIA/EIA Category 3 compliant
- Descending distance markings for length verification reduces waste.

APPLICATIONS

D-Series multi-pair cable is intended to be used for backbone installations of moderate-speed environments, such as:

- 10 Mb/s Ethernet (IEEE 802.3 10BASE-T)
- 4 Mb/s Token Ring (IEEE 802.5)
- Voice applications.

TECHNICAL SPECIFICATIONS**Physical Characteristics****Construction**

- Conductors: 24 AWG solid copper
- Insulation:
 - CMR Version: Semi Rigid Polyvinyl Chloride (SRPVC)
 - Color coding as per chart 2 in section 6.14.1.
- Cable Core: 4-pair twisted into a cable core, equipped with jacket splitting cord
- Jacket:
 - CMR Version: Polyvinyl Chloride (PVC)
 - Jacket printed at intervals indicating cable code, AWG, listings (NEC Code and/or CSA), verification, date and manufacturing traceability code
 - Descending length markings starting at the highest number and ending at 0.

QUALIFICATIONS

- Meets or exceeds the Category 3 requirements per ANSI/TIA/EIA-568-A and CSA T529-95
- Meets or exceeds the category 3 requirements per ICEA S-90-661-1997
- Non-Plenum: CSA Certified as CMR per CSA Standard C22.2, No. 214-94, and listed as NEC Type CMR per UL Standard 444.

Transmission Characteristics

- Capacitance Unbalance Pair to Ground, max.: 262 pF/100 m
- DC Resistance, max.: 8.8 Ω /100 m.

Frequency (MHz)	Attenuation Maximum (dB/100 m)	Near End Crosstalk Power Sum (dB)	Characteristic Impedance (Ω)	SRL Minimum (dB)
0.772	2.2	43	102 $\pm$ 15%	12
1.0	2.6	41	102 $\pm$ 15%	12
4.0	5.6	32	102 $\pm$ 15%	12
8.0	8.5	28	102 $\pm$ 15%	12
10.0	9.7	26	102 $\pm$ 15%	12
16.0	13.1	23	102 $\pm$ 15%	10

D-Inside
Riser - Multi-pair
6.10.3-A

D-Flex
Plenum - 6-pair
6.10.3-B

D-Plenum -
Multi-pair
6.10.3-C

**IBDN Copper
Solutions**

Labels
LabelFlex

LabelFlex Automated
Labeling Solution
6.4.1-A

Mechanical Characteristics

6.10.3-A D-Inside Riser - Multi-pair

Number of pairs	Nominal O.D.	Min. Bend Radius	Weight
6-pair, 24 AWG, CMR	5.3 mm (0.210 in.)	53.0 mm (2.1 in.)	4.1 kg/100 m (28 lb/kft)
12-pair, 24 AWG, CMR	7.1 mm (0.280 in.)	71.0 mm (2.8 in.)	7.5 kg/100 m (50 lb/kft)
16-pair, 24 AWG, CMR	8.0 mm (0.320 in.)	80.0 mm (3.2 in.)	9.6 kg/100 m (64 lb/kft)
25-pair, 24 AWG, CMR	10.0 mm (0.390 in.)	100.0 mm (3.9 in.)	15.0 kg/100 m (100 lb/kft)
50-pair, 24 AWG, CMR	13.4 mm (0.530 in.)	134.0 mm (5.3 in.)	28.9 kg/100 m (194 lb/kft)
75-pair, 24 AWG, CMR	16.0 mm (0.630 in.)	160.0 mm (6.3 in.)	41.6 kg/100 m (279 lb/kft)
100-pair, 24 AWG, CMR	18.2 mm (0.720 in.)	182.0 mm (7.2 in.)	54.4 kg/100 m (365 lb/kft)
200-pair, 24 AWG, CMR	25.1 mm (0.990 in.)	251.0 mm (9.9 in.)	105.0 kg/100 m (703 lb/kft)

6.10.3-B D-Flex Plenum - 6-pair

6.10.3-C D-Plenum - Multi-pair

Number of pairs	Nominal O.D.	Min. Bend Radius	Weight
6-pair, 24 AWG, CMP	5.46 mm (0.215 in.)	54.6 mm (2.15 in.)	4.5 kg/100 m (30 lb/kft)
12-pair, 24 AWG, CMP	7.9 mm (0.310 in.)	76.0 mm (3.00 in.)	7.8 kg/100 m (52 lb/kft)
25-pair, 24 AWG, CMP	10.7 mm (0.420 in.)	102.0 mm (4.20 in.)	15.9 kg/100 m (107 lb/kft)
50-pair, 24 AWG, CMP	12.4 mm (0.491 in.)	124.0 mm (4.91 in.)	31.4 kg/100 m (211 lb/kft)
100-pair, 24 AWG, CMP	18.3 mm (0.720 in.)	183.0 mm (7.20 in.)	61.8 kg/100 m (415 lb/kft)
200-pair, 24 AWG, CMP	26.3 mm (1.038 in.)	263.0 mm (10.38 in.)	130.1 kg/100 m (874 lb/kft)
300-pair, 24 AWG, CMP	32.3 mm (1.270 in.)	323.0 mm (12.3 in.)	184.4 kg/100 m (1234 lb/kft)

ORDERING INFORMATION

Call customer service to confirm spool or reel size.

6.10.3-A D-Inside Riser - Multi-pair

DETAIL	COLOR	LENGTH	PACKAGING	UPC	ORDERING NUMBER
24 AWG, CMR, Category 3, 6-pair	Olive Gray	305 m (1000 ft.)	Spool	628575002863	24501829
24 AWG, CMR, Category 3, 6-pair	Olive Gray	457 m (1500 ft.)	Spool	628575002900	24501834
24 AWG, CMR, Category 3, 12-pair	Olive Gray	305 m (1000 ft.)	Spool	628575002931	24501837
24 AWG, CMR, Category 3, 16-pair	Olive Gray	300 m	Spool	628575003013	24501848
24 AWG, CMR, Category 3, 25-pair	Olive Gray	305 m (1000 ft.)	Spool	628575003082	24501858
24 AWG, CMR, Category 3, 50-pair	Olive Gray	305 m (1000 ft.)	Spool	628575003228	24501877
24 AWG, CMR, Category 3, 75-pair	Olive Gray	635 m	Reel	628575003327	24501887
24 AWG, CMR, Category 3, 100-pair	Olive Gray	480 m (1575 ft.)	Reel	628575003365	24501897
24 AWG, CMR, Category 3, 100-pair	Olive Gray	1000 ft.	Spool	628575003372	24501898
24 AWG, CMR, Category 3, 200-pair	Olive Gray	275 m (900 ft.)	Reel	628575003440	24501906

6.10.3-B D-Flex Plenum - 6-pair

DETAIL	COLOR	LENGTH	PACKAGING	UPC	ORDERING NUMBER
24 AWG, CMP, Cat 3	Olive Gray	457 m (1500 ft.)	Spool	628575011995	24571148
24 AWG, CMP, Cat 3	Olive Gray	762 m (2500 ft.)	Spool	628575012008	24571149

6.10.3-C D-Plenum - Multi-pair

DETAIL	COLOR	LENGTH	PACKAGING	UPC	ORDERING NUMBER
24 AWG, CMP, Cat 3, 25-pair	Translucent	1000 ft/305 m	Spool	628575012268	24571221
24 AWG, CMP, Cat 3, 25-pair	Translucent	150 m	Spool	628575012251	24571218
24 AWG, CMP, Cat 3, 50-pair	Gray	Variable Length	Reel	628575012305	24571235
24 AWG, CMP, Cat 3, 100-pair	Gray	Variable Length	Reel	628575012343	24571250
24 AWG, CMP, Cat 3, 200-pair	Gray	Variable Length	Reel	628575012381	24571265
24 AWG, CMP, Cat 3, 300-pair	Gray	Variable Length	Reel	628575012398	24571266