

# C1181T INDOOR / OUTDOOR CABLE

Distribution For Riser / Tray / Outdoors (if in conduit)  
OFNR / OFN FT4

Tight buffered single jacket construction for up to 12 fibers

Distribution subunits containing up to 12 fibers each for a total of up to 156 fibers

Part Number	Diameter mm • inches	Weight kg/km • lbs/kft	Installation		Operating		Vertical Rise m • ft	Meets these Performance Standards
			Pull Strength Newtons • lbs	Bend Radius cm • inches	Tension Newtons • lbs	Bend Radius cm • inches		
<b>C1181T-02R-XXY</b>	4.75 • 0.187	22 • 15	800 • 180	9.5 • 3.7	250 • 56	7.1 • 2.8	910 • 2987	IEEE 802.3
<b>C1181T-04-XXY</b>	5.59 • 0.220	28 • 19	1000 • 225	11.2 • 4.4	400 • 91	8.4 • 3.3	1168 • 3832	1000 Base Sx/LX (1000 Mb/s)
<b>C1181T-06-XXY</b>	5.97 • 0.235	31 • 21	1000 • 225	11.9 • 4.7	400 • 91	9.0 • 3.5	1057 • 3467	100 Base F (100 Mb/s)
<b>C1181T-08-XXY</b>	6.22 • 0.245	34 • 23	1400 • 315	12.4 • 4.9	463 • 104	9.3 • 3.7	1103 • 3617	10 Base F (10 Mb/s)
<b>C1181T-12-XXY</b>	6.99 • 0.275	45 • 30	1800 • 405	13.5 • 5.3	600 • 135	10.5 • 4.1	1097 • 3600	ATM
<b>C1181T4-16-XXY</b>	12.29 • 0.482	123 • 83	2700 • 600	24.6 • 9.6	1110 • 250	18.4 • 7.2	738 • 2420	155 Mb/s
<b>C1181T6-24-XXY</b>	13.11 • 0.516	134 • 90	2700 • 600	26.2 • 10.4	1110 • 250	19.7 • 7.7	677 • 2221	622 Mb/s
<b>C1181T6-30-XXY</b>	14.38 • 0.566	131 • 88	3500 • 788	28.8 • 11.4	1700 • 383	21.6 • 8.5	1061 • 3481	1.2/2.4 Gb/s
<b>C1181T6-36-XXY</b>	15.82 • 0.622	213 • 143	4000 • 900	31.6 • 12.4	2000 • 450	23.7 • 9.3	767 • 2515	TIA
<b>C1181T12-48-XXY</b>	16.00 • 0.630	187 • 126	5000 • 1125	32.0 • 12.6	2500 • 563	24.0 • 9.5	1093 • 3584	492AAAC 10 GbE
<b>C1181T12-60-XXY</b>	17.81 • 0.701	230 • 155	5500 • 1238	35.6 • 14.0	3000 • 675	26.7 • 10.5	1065 • 3494	Fibre Channel FC-PH (1062 Mb/s)
<b>C1181T12-72-XXY</b>	19.53 • 0.769	282 • 189	5500 • 1238	39.0 • 15.4	3000 • 675	29.3 • 11.5	867 • 2850	IEEE 802.5 (16 Mb/s)
<b>C1181T12-84-XXY</b>	20.52 • 0.808	324 • 218	7000 • 1575	42.6 • 16.8	3500 • 788	30.8 • 12.1	883 • 2895	FDDI (100 Mb/s)
<b>C1181T12-96-XXY</b>	23.06 • 0.908	408 • 274	8800 • 1980	46.2 • 18.2	4000 • 900	34.6 • 13.6	800 • 2626	IEEE 802.5 (16 Mb/s)
<b>C1181T12-108-XXY</b>	25.81 • 1.016	481 • 323	8800 • 1980	51.6 • 20.3	4000 • 900	38.7 • 15.2	679 • 2228	ICEA 83-596
<b>C1181T12-120-XXY</b>	25.81 • 1.016	481 • 323	10000 • 2250	51.6 • 20.3	4000 • 900	38.7 • 15.2	679 • 2228	TIA/EIA-568B
<b>C1181T12-132-XXY</b>	25.81 • 1.016	481 • 323	10000 • 2250	51.6 • 20.3	4000 • 900	38.7 • 15.2	679 • 2228	UL 1581 & UL 1666
<b>C1181T12-144-XXY</b>	25.81 • 1.016	481 • 323	10000 • 2250	51.6 • 20.3	4000 • 900	38.7 • 15.2	679 • 2228	IEEE-383-74

Meets or exceeds  
Telcordia GR 409 CORE  
mechanical and environ-  
mental requirements

**Operating Temp**  
-20°C to 80°C  
(FOTP EIA-455-3)

**Storage Temp**  
-40°C to 80°C  
(FOTP EIA-455-3)

**Installation Temp**  
0°C to 50°C

**Applications:**  
Backbone, Horizontal,  
Intra-/Interbuilding

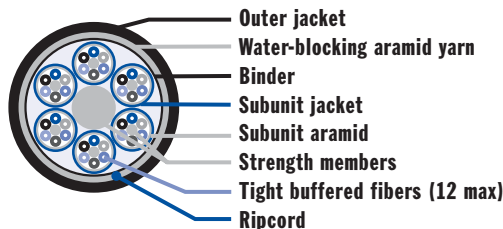
**Installation:**  
Duct, Tray and Riser

**Gigabit Ethernet**  
IEEE 802.3z compliant

**C1181T fibers have an easily-strippable 900 μm coating for ease of handling.**

**Flexible subunit construction permits easy routing of grouped fibers.**

**Tough enough for outdoor use but can transition to inside, eliminating a splice point.**



## Fiber Performance (for other types, see Fiber Performance Chart)

To complete the part number, replace XXY with one of the following designations:

Multimode Designation - Fiber Type	Min. Bandwidth 850nm/1300nm	Max. Attenuation 850nm/1300nm	Singlemode Designation	Max. Attenuation 1310nm/1550nm
50H 50μm fiber	500/500 MHz*km	3.50/1.50 dB/km	O10X	0.70/0.70 dB/km
50E1 (HiCap) 50μm fiber	500/500 MHz*km	3.50/1.50 dB/km	O10A3	0.50/0.50 dB/km
50GBE 50μm fiber	1500/500 MHz*km	3.50/1.50 dB/km		
62X 62.5μm fiber	200/500 MHz*km	3.50/1.00 dB/km		
62E1 62.5μm fiber*	350/600 MHz*km	3.50/1.00 dB/km		

\* Mode conditioning patch cords not required