



Crush Resistant Plenum rated Cable



Indoor Plenum rated fiber cable available with 2-24 fibers. Industry standard 250 micron Singlemode and Multimode. Tough yet flexible Crush Resistant Plenum Cable can be easily routed in tight areas. The compact and light weight properties are suitable for routing in trays and racks and the cables anti-kink properties makes handling the optical fiber much safer. The cable also provides protection in areas where optical fiber is exposed to human contact, picks up where your armored cable ends and continues to provide end to end to end Optical Fiber Protection. Available terminated or unterminated.

Advantages

- Tough
- Lightweight – 11.5kg/km
- Compact – small diameter of 4mm
- Flexible – grooving allows tough polymer to be flexible
- Anti-kink property
- High crush resistance – up to 750N
- Small bend radius – down to 5x OD
- Easier handling, 6,500ft reels weigh less than 37lbs

Compatibility List

Crush Resistant Plenum Cable is compatible with:

- All normal fiber termination methods (e.g. SC/LC/MTP)
- Cable push-fit connectors
- Electrical cable style installation – staples or cable clips

Applications

- Indoor FTTx
- Data Centers
- Plenum Space



Crush Resistant Plenum Cable Product List

Fiber Count	Fiber Type	OD	Crush	Tension	Nominal Weight	Service Temp	Install Temp
(250 micron)		(mm)	(N)	(N)	(kg/km)	(Celsius)	(Celsius)
2	OS1, OS2, OM1, OM2, OM3, OM4	4	750	100N	11.5	-40° to 70°	-40° to 70°
4	OS1, OS2, OM1, OM2, OM3, OM4	4	750	100N	11.5	-40° to 70°	-40° to 70°
8	OS1, OS2, OM1, OM2, OM3, OM4	4	750	100N	11.5	-40° to 70°	-40° to 70°
12	OS1, OS2, OM1, OM2, OM3, OM4	4	750	100N	11.5	-40° to 70°	-40° to 70°
18	OS1, OS2, OM1, OM2, OM3, OM4	4	750	100N	11.5	-40° to 70°	-40° to 70°
24	OS1, OS2, OM1, OM2, OM3, OM4	4	750	100N	11.5	-40° to 70°	-40° to 70°

Bend Radius: *Passive* 10xOD, *Active* 5xOD

Transmission Performance Specifications - Multimode Fiber

Core diameter	50 micron	Buffer / acrylate diameter	250 micron
Cladding diameter	125 micron	Maximum Attenuation at 850 / 1300 nm	< 3.5 / 1.0 dB/km

Fiber Type	Wavelength	Minimum Overfilled Launch Bandwidth	Minimum Effective Modal Bandwidth	Serial 1 Gigabit Ethernet Distance	Serial 10 Gigabit Ethernet Distance
	(nm)	(MHz*km)	(MHz*km)	(m)	(m)
OM1	850/1300	200/500	220/ -	300/550	33/ -
OM2	850/1300	700/500	950/ -	750/600	150/ -
OM3	850/1300	1500/500	2000/ -	1000/600	300/ -
OM4	850/1300	3500/500	4700/ -	1000/600	550/ -

Operation Temp. Range -40° F to +158° F (-40° C to +70° C)

Options: Aramid can be added to improve tensile characteristics

Material Applications

Material	Property	Best for...	Color Availability
PVDF	Used for indoor & outdoor applications. Meets US fire ratings (OFNP)	Indoor use especially building risers.	WHT

Specifications

• ISO9001 Production, REACH, ROHS, Certificate of Origin

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