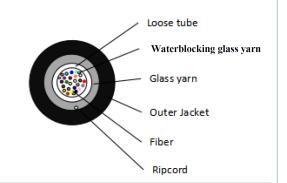


HYBRIFLEX® Fiber Optic Drop Cable, 12 Fiber Single Mode, LSZH, Indoor

HYBRIFLEX fiber only round drop cable, multi-fiber single mode, gel free, water blocking, LSZH, indoor cable with integrated rip cord. Optimized for Radio over Fiber (RoF) applications, for use within the RFS Technologies "Conventional" RoF solution.

FEATURES / BENEFITS

- Incoprates multiple, single mode optical fibers ensuring future proof connectivity for RoF (and other) high bandwidth, multi wavelength applications
- Fibers housed in high-modulus plastic and with water-blocking yarn around
- · Aramid and water blocking glass-fiber yarns are applied as strength member
- High quality raw material guarantees the long service life of cable
- Flame retardant, LSZH materials for use inside buildings
- Integrated rip cord



Technical features

ST	RII	CT	IIR	F.	

Cable Type	Fiber optic cable
Fire Performance	Flame Retardant
Optical Fiber Color	Red/Green/Blue/Yellow/Grey/Violet/Brown/Orange/White/Pink/Black/Aqua
Number of Fiber	12

MECHANICAL SPECIFICATIONS

Cable Weight	kg/m (lb/ft)	0.085 (0.057)

CABLE JACKET

UV-Protection Individual and External Jacket		Yes for External Jacket Only
Jacket Material		LSZH Black
Outer Diameter Nominal	mm (in)	8.5 (0.33)

F/O CABLE SPECIFICATIONS

F/O Cable TypeG657-A2 Single Mode, Bend TolerantCore/Clad μm 9 /125Secondary Protection Nominal μm (in)240 (0.009)Single Bending Radius mm (in)10 (0.394)F/O Standards (Meets or Exceeds)ITU-T G657A2; RoHS CompliantFiber Attenuation $Max: \le 0.37dB/km@\lambda=1310nm \& \le 0.24dB/km \lambda = 1550nm$ Zero Dispersion Slope $\le 0.092 \text{ ps/km} \text{ nm2}$ Dispersion (1285 - 1340 nm) $= -3.5 \approx 3.5 \text{ps/(nm} \text{ km)}$ Mode Field Diameter (@ 1310 nm) $= -3.5 \approx 3.5 \text{ps/(nm} \text{ km)}$			
	F/O Cable Type		G657-A2 Single Mode, Bend Tolerant
Single Bending Radiusmm (in)10 (0.394)F/O Standards (Meets or Exceeds)ITU-T G657A2; RoHS CompliantFiber AttenuationMax: ≤ 0.37dB/km@ λ =1310nm & ≤0.24dB/km λ =1550nmZero Dispersion Slope≤0.092 ps/km nm2Dispersion (1285 - 1340 nm)-3.5 ~ 3.5ps/(nm km)	Core/Clad	μm	9 /125
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Fiber Attenuation Max: ≤ 0.37dB/km@λ=1310nm & ≤0.24dB/km λ =1550nm Zero Dispersion Slope ≤0.092 ps/km nm2 Dispersion (1285 - 1340 nm) -3.5 ~ 3.5ps/(nm km)	Single Bending Radius	mm (in)	10 (0.394)
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Dispersion (1285 - 1340 nm) -3.5 ~ 3.5ps/(nm km)	Fiber Attenuation		Max: \leq 0.37dB/km@ λ =1310nm & \leq 0.24dB/km λ =1550nm
	Zero Dispersion Slope		≤0.092 ps/km nm2
Mode Field Diameter (@ 1310 nm)	Dispersion (1285 - 1340 nm)		-3.5 ~ 3.5ps/(nm km)
mode field blatticter (# 1516 tillit)	Mode Field Diameter (@ 1310 nm)		8.8
Cutoff wavelength cable ≤1260 nm	Cutoff wavelength cable		≤1260 nm

TESTING AND ENVIRONMENTAL

Storage Temperature	°C (°F)	-40 to 70 (-40 to 158)
Operation Temperature	°C (°F)	-30 to 70 (-22 to 158)
Installation Temperature	°C (°F)	-5 to 60 (23 to 140)
LSZH Specification		IEC 60332-1

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External Document Links

Notes

When more than 12 fibers, fibers 13-24 will follow same color scheme and additionally be marked with a black tracer.

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