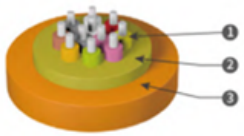
PRODUCT DATASHEET

FONT-XXxXXSA1-F00

HYBRIFLEX® Fiber backbone Cable, Single-Mode

RFS' HYBRIFLEX ™ Multi-purpose backbone cable use multi-fiber subunits as optical communication medium, Ø900μm tightthe tight buffer fiber wrapped with a layer of aramid yarn as strength member for subunits. A fiber reinforced plastic (FRP) locates in the center of core as a non-metallic strength member. The subunits are stranded around the cable core. the cable is completed with LSZH jacket.

1、Tight buffer fiber
2、Aramid yarn
3、Jacket



Example FONT-01x12SA1-F00

FEATURES / BENEFITS

- Backbone distribution cable in buildings
- Any purpose indoor cable distribution
- Multi optical fiber jumper
- Tight buffer fibre easy of stripping
- Aramid yarn and non-metallic strength member make cable have excellent tensile strength
- Easy to installation and harmless to environment etc.
- Excellent flame-retardant performance,LSZH jacket meet IEC 60332-3C
- 24-36 Cores, other jacket colors and standard are customerized

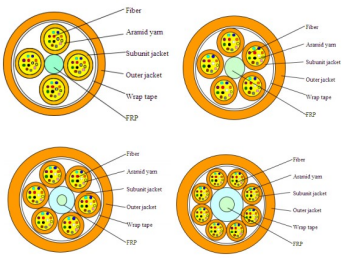
Technical features

STRUCTURE		
Cable Type		Fiber optic cable
Optical Fiber Color		1. White 2. Blue 3. Orange 4. Green 5. Brown 6. Grey 7. Red 8. Black 9. Yellow 10. Violet 11. Pink 12. Aqua
MECHANICAL SPECIFICATIONS		
Crush Resistance (Operating)		1000 N / 100 mm
CABLE JACKET		
Jacket Material		LSZH Yellow
F/O CABLE SPECIFICATIONS		
F/O Cable Type		Single-Mode G657A1
Core/Clad	μm	9 /125
Secondary Protection Nominal	μm (in)	240 ()
Single Bending Radius	mm (in)	10 (0.394)
Fiber Attenuation		Max: ≤ 0.5dB/km@λ=1310nm & ≤0.4dB/km λ =1550nm
Zero Dispersion Slope		≤0.092 ps/km nm
Dispersion (1285 - 1340 nm)		-3.5 ~ 3.5ps/(nm km)
Mode Field Diameter (@ 1310 nm)		8,8
Cutoff wavelength cable		≤1260 nm
TESTING AND ENVIRONMENTAL		
Storage Temperature	°C (°F)	-20 to 60 (-4 to 140)
Operation Temperature	°C (°F)	-20 to 60 (-4 to 140)
Installation Temperature	°C (°F)	-20 to 60 (-4 to 140)
LSZH Specification		IEC 60332-3C

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

ADDITIONAL INFORMATION

	FONT-01x12SA1-F00	FONT-04x06SA1-F00	FONT-04x12SA1-F00	FONT-08x12SA1-F00	FONT-12x12SA1-F00
Number of Fiber	12	24	48	96	144
Number of Subunits	0	4	4	8	12
Number of Fiber per Subunit	12	6	12	12	12
Subunit Diameter	---	4 mm	5 mm	5 mm	5 mm
Outer Diameter Cable	6.2 mm	12.3 mm	14.8 mm	20.7 mm	24.8 mm
Cable Weight kg / km	37	131	184	391	455
Cable Bending Radius Inst.	124 mm	246 mm	296 mm	414 mm	496 mm
Cable Bending Radius Oper.	62 mm	123 mm	148 mm	207 mm	248 mm
Cable Tensile Strength Inst.	660 N	660 N	1320 N	1320 N	1320 N
Cable Tensile Strength Oper.	200 N	200 N	400 N	400 N	400 N



External Document Links

Notes

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