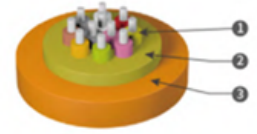




**RFS' HYBRIFLEX™** Multi-purpose backbone cable use multi-fiber subunits as optical communication medium, Ø900µm tightthe tight buffer fiber wrapped with a layer of aramid yarn as strength member for subunits. A fiber reinforced plastic (FRP) locates in the center of core as a non-metallic strength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

**Technical features**

**STRUCTURE**

<b>Cable Type</b>		Fiber optic cable
<b>Optical Fiber Color</b>		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**

<b>Crush Resistance (Operating)</b>		1000 N / 100 mm
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**CABLE JACKET**

<b>Jacket Material</b>		LSZH Yellow
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**F/O CABLE SPECIFICATIONS**

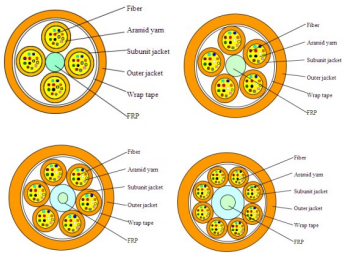
<b>F/O Cable Type</b>		Single-Mode G657A1
<b>Core/Clad</b>	µm	9 /125
<b>Secondary Protection Nominal</b>	µm (in)	240 ( )
<b>Single Bending Radius</b>	mm (in)	10 (0.394)
<b>Fiber Attenuation</b>		Max: ≤ 0.5dB/km@λ=1310nm & ≤0.4dB/km λ =1550nm
<b>Zero Dispersion Slope</b>		≤0.092 ps/km nm
<b>Dispersion (1285 - 1340 nm)</b>		-3.5 ~ 3.5ps/(nm km)
<b>Mode Field Diameter (@ 1310 nm)</b>		8,8
<b>Cutoff wavelength cable</b>		≤1260 nm

**TESTING AND ENVIRONMENTAL**

<b>Storage Temperature</b>	°C (°F)	-20 to 60 (-4 to 140 )
<b>Operation Temperature</b>	°C (°F)	-20 to 60 (-4 to 140 )
<b>Installation Temperature</b>	°C (°F)	-20 to 60 (-4 to 140 )
<b>LSZH Specification</b>		IEC 60332-3C

**ADDITIONAL INFORMATION**

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



External Document Links

Notes