Rollable Ribbon Cable

All-dry, Single-jacket, Unarmored, G.652D

NT-RR-xxx-DM

Specifications:

General
This specification covers the requirements for the supply of singlemode optical fiber cables
This singlemode optical fiber cable complies with the requirements of this specification and generally mets all of the latest ITU-T G.652 recommendations

Geometric Characteristics		
Item		Construction
Mode field diameter	At 1310nm	8.6±0.4μm
Cladding diameter		125±0.7μm
Core concentricity error		≤0.5μm
Cladding non-circularity		≤0.7%
Cut-off wavelength (λcc) (for cable)		≤1260nm
Cut-off wavelength (λc) (for fiber)		1180nm~1330nm
Primary coating diameter	(Not included color layer)	245±10μm
	(Included color layer)	250±10μm
Coating-cladding concentricity error		≤12.0μm
Fiber curl radius		≥4m

Transmission Characteristics		
Item		Performance
Attenuation	At 1310nm	≤0.36dB/km
	At 1550nm	≤0.22dB/km
Macro bending loss	Φ=60mm, 100turns at 1550nm&1625nm	≤0.05dB
	Φ=32mm, 1turn at 1550nm&1625nm	≤0.05dB
Chromatic dispersion	Within 1288~1339nm	≤3.5ps/nm·km
	At 1550nm	≤18ps/nm·km
Zero dispersion wavelength		1300~1324nm
Zero dispersion slope		≤0.092ps/nm^2·km

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NO		Performance	
1	Tensile performance IEC60794-1-21-E1	- Short-term load:4488N - Time: 5 minute	- Loss change ≤ 0.10 dB@1550 nm (after test) - No sheath damage
2	Crush test IEC60794-1-21-E3	- Load: 2200 N /100mm - Time: 5 minute - Length: 100 mm	Loss change ≤ 0.10 dB@1550 nm (during test) - No sheath damage
3	Impact test IEC60794-1-21-E4	- Impact energy:4.4Nm - Points of impact: 3 - Times of per point: 2	- No fiber break - No sheath damage
4	Repeated bending IEC60794-1-21-E6	- Bending radius.: 20 × D - Load: 150N - Flexing rate: 2sec/cycle - No. of cycle: 25	- No fiber break - No sheath damage
5	Water penetration IEC60794-1-22-F5	- Height of water: 1m - Sample length: 3 m - Time: 24 hr	- No drip through the cable core assembly
6	Twist IEC60794-1-21-E7	- Length: 1 m - Load: 250N - Twist rate: ⩽60sec/cycle - Twist angle: ±180° - No. of cycle: 10	- No fiber break - No sheath damage
7	Temperature Cycling IEC60794-1-22-F1	- Temperature step: +20°C→-40°C→+70°C→+20°C - Number of cycle: 2 turns - Time per each step: 12 hrs	- Loss change ≤ 0.15dB/km@1550 nm (during test) - Loss change ≤ 0.05dB/km@1550 nm (after test) - No sheath damage
8	Cable Qualification Standards	ANSI/ICEA S-87-640 | RUS PE-90 (7CFR 1755.900) | Telcordia GR-20	

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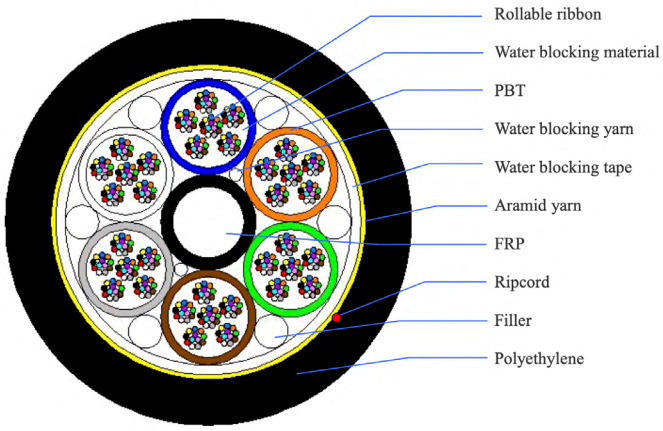

Dimensions of Cable						
Amount. of fiber	fiber per tube	No. of tube positions	No. of active tubes	Nom. thickness of sheath	Diameter (Appr.)	Weight (Appr.)
				mm	mm	kg/km
432	12*6	6	6	1.5	17.0±0.5	200

Minimum thickness of the sheath is 1.3mm

Fiber Color Code												
Fiber colors	1	2	3	4	5	6	7	8	9	10	11	12
	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	aqua

Color Codes for Loose Tube						
Fiber colors	1	2	3	4	5	6
	blue	orange	green	brown	grey	white

MANUFACTURER CABLE TYPE MANUFACTURE CODE ID LENGTH MARKING IN FEET OR METERS

Cables can be marked per your specifications