

Pre-terminated Outdoor Waterproof Cable



Outdoor waterproof cable is cable used in outdoor conditions. It is durable compared with indoor cables with an ability of withstanding outdoor harsh environments. Outer jacket is thick with pressure resistance, corrosion resistance, tensile resistance and other mechanical characteristics or environment performance.

Outdoor optical cable is the backbone of long-distance trunk line, local telephone relay, underwater and submarine communication, LAN, private network and other wired transmission. For a variety of applications and environmental conditions, outdoor waterproof cable has overhead laying, directly bury, pipeline installation, underwater laying, indoor laying and other laying methods.

Pre-terminated outdoor waterproof cable gets connectors assembled in workshops ahead of delivery, which facilitates installation greatly. T&S offers 2-144 fiber outdoor waterproof cable to meet the requirements of most installation conditions.

Features

- Structure longitudinal sealing strip prevents longitudinal water seepage
- Larger tensile strength, thicker protective layer, usually armored with better tensile resistance, wear resistance and impact resistance;
- Fast transmission speed, long distance, good confidentiality, anti-electromagnetic interference, good insulation, good chemical stability, long life and low loss

- PE jacket has good UV radiation resistance.

Applications

- Long distance and inter-office communication transmission
- Outdoor transmission line in core network, MAN (Metropolitan Area Network)
- Outdoor feeder and wiring for optical communication in access network

Standard Compliance

IEC60794-2

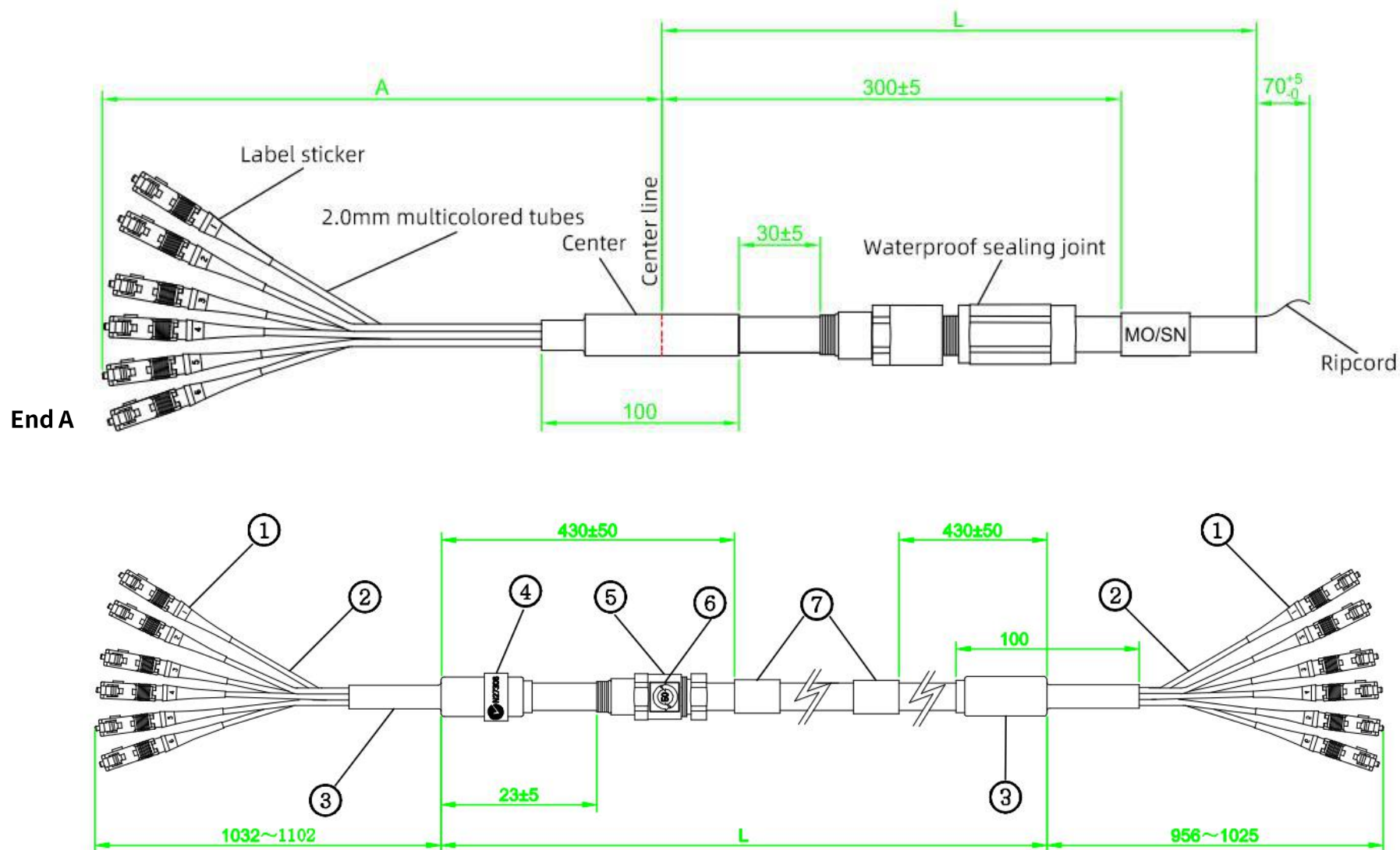
General Specification

Item	Specification
Fiber Count	12-288 Fibers
Fiber Mode	Single mode:OS2/G657 9/125um Multimode:OM4 50/125um,OM3 50/125um
Fiber Brand	SMF-28® Ultra optical fiber Corning ClearCurve® multimode fiber
Cable Jacket Ratings	PE or TPU
Cable Jacket Color	Black
Polarity	Customized
Pulling eye	Customized
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C

Technical Specification

Parameter	Specification
Insertion Loss	
Singlemode (UPC):	≤ 0.15dB typical
Singlemode (APC):	≤ 0.25dB typical
Multi-mode:	≤ 0.10typical
Return Loss	
Singlemode (UPC):	≤ -55dB
Singlemode (APC):	≤ -65dB

Technical Drawing

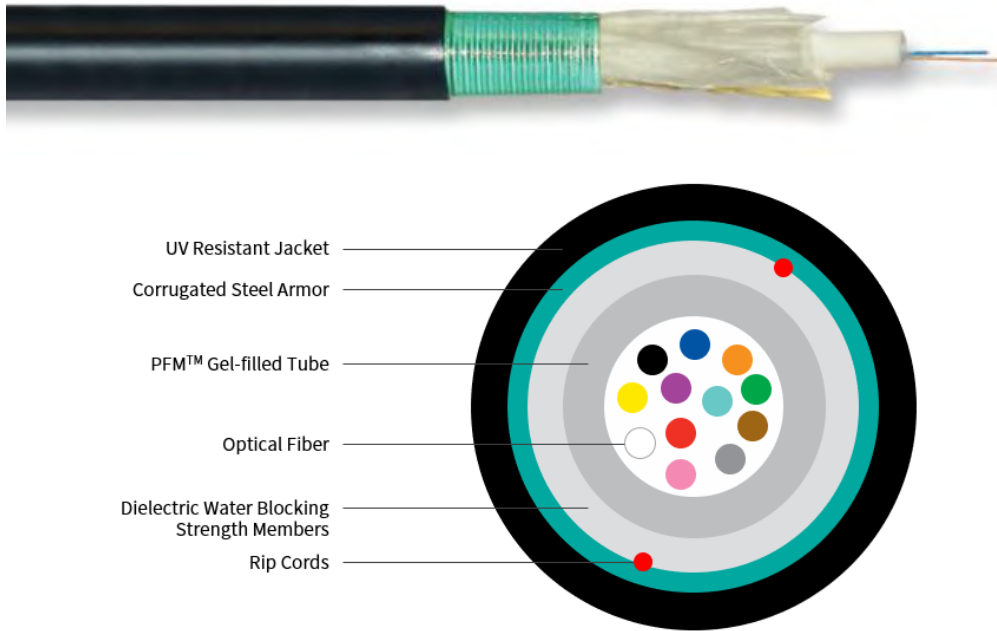


Information and specifications are subject to change without notice.
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Cable Structure



Cable Parameters

Fiber Count		2/3/6/8/12/16/24
Loose Tube	OD(mm)	2.8±0.1
	Material	PBT
Cable	OD(mm)	9.0±0.5
	Material	PE
Nominal Weight (kg/km)		75
Max. Tensile Strength (N)	Short-term	1000
	Long-term	500
Max. Crush Resistance (N/100mm)	Short-term	1000
	Long-term	300
Min. Bending Radius (mm)	Short-term	20D
	Long-term	10D
Color		Black
Strength Members		Steel tape & Glass yarn
Temperature Range	Storage, transportation or operation	-40 ~ 70°C
	Installation	-10 ~ 60°C

Waterproof Sealing Joint

