

GYZS

Semi-dry Fire-resistance Steel Tape Armored Optical Cable for Railway Transportation

Introduction:

Optical fibres are housed in loose tubes that are made of high-modulus plastic and filled with tube filling compound. The tubes(and fillers) are stranded around a metallic central strength member to form a cable core. The core is armored with a layer of fire resistance tape and corrugated steel tape. Then, a LSZH outer sheath is extruded.

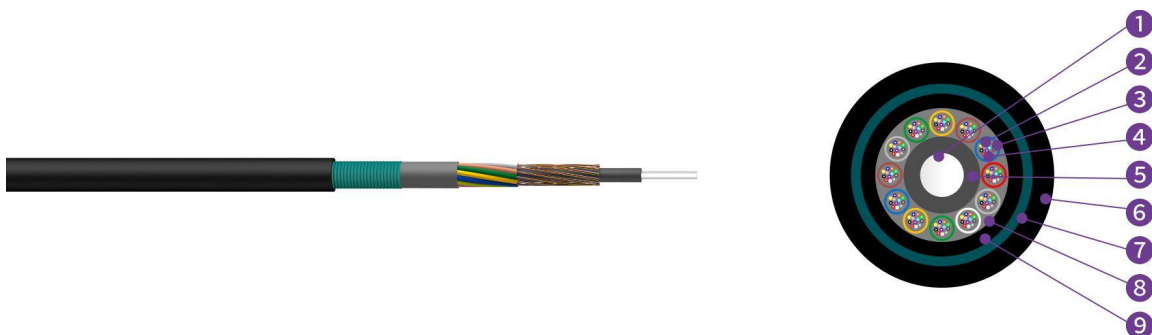
Features:

Accurate process control ensuring good mechanical and temperature performances
The material of loose tubes, with good hydrolysis resistance and relatively high strength
Fire-resistant layer and LSZH sheath ensuring good fire-resistance and flame-retardant performances
Excellent crush resistance
Comply with IEC60331(no cooling), IEC60754-1&2, IEC61034 and IEC60332-3-24

Product Series:

GYFZY	Non-metallic+Fire-Resistant Layer+Flame-Retardant Sheath
GYTZA	Single APL Armor+ Single Flame-Retardant Sheath
GYTZA53	Single APL+Single PSP Armor+Double Flame-Retardant Sheaths
GYZS	Single Fire-Resistant Layer+ Single PSP armor+ Single Flame-Retardant Sheath
GYZS53	Double Fire-Resistant Layers+Double PSP armors+Double Flame-Retardant Sheaths
GYZS53+33	Double Fire-Resistant Layers+Double PSP+Single Steel Wire Armor+3 Flame-Retardant
GYFZA04+33	APL+Steel Wire armor+Fire-Resistant Layer+Anti-Termite Layer+Flame-Retardant Sheath

Cross Section:



1, Strength Member 2, Fibre 3, Loose Tube 4, Tube Filling Compound 5, PE Layer 6, LSZH Sheath 7, PSP
8, Water Blocking Yarn 9, Fire Resistance Tape

Technical Characteristics:

Type	Diameter mm	Weight (kg/km)	Unit	Tensile strength Long/short term (N)	Crush Long/short term (N/100mm)
GYTS-6Xn	13	210	6	600/1500	300/1000
GYTS-12Xn	13	210	6	600/1500	300/1000
GYTS-24Xn	13	210	6	600/1500	300/1000
GYTS-48Xn	13	230	6	1000/3000	300/1000
GYTS-72Xn	13	230	6	1000/3000	300/1000
GYTS-96Xn	14.4	260	8	1000/3000	300/1000

Note: This specification provides a normative reference. Adjustable outer diameter to suit your budget. Contact us ASAP.

Environmental Characteristics:

Transport/storage temperature: -40℃~70℃

Delivery Length:

Standard length: 2000m; Other length available