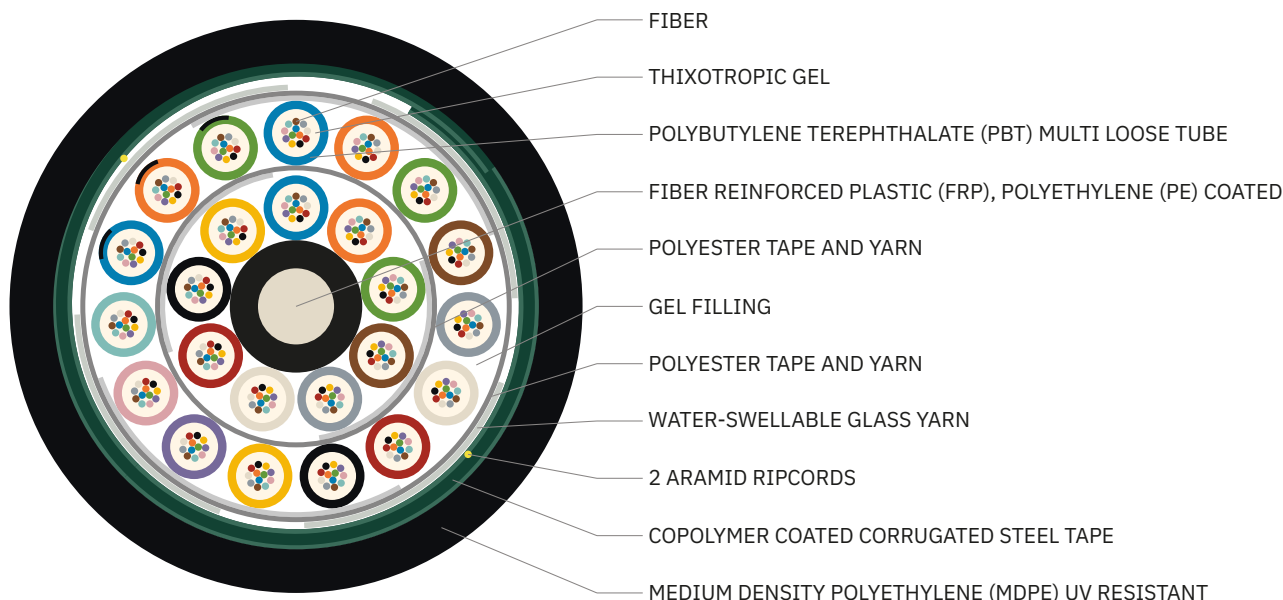


OS2-CST-PE-48

MULTI LOOSE TUBE, CORRUGATED STEEL TAPE ARMOR, POLYETHYLENE JACKET, FIBER OPTIC CABLE 48 FO

FIBER OPTIC CABLE DRAWING



FIBER OPTIC CABLE TUBE AND FIBER CORE COLORS

TUBE COLOR SCHEME

Tube No (1st Layer)

1	2	3	4	5	6	7	8	9
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow

Tube No (2nd Layer)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua	Blue	Orange	Green

Fiber Optic Core Color Scheme

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

OS2-CST-PE-48

MULTI LOOSE TUBE, CORRUGATED STEEL TAPE ARMOR, POLYETHYLENE JACKET,
FIBER OPTIC CABLE 48 FO

CHARACTERISTICS

Optical Fiber Core and Tube Color Standard	Optical Fiber Core and Tube Color Standard								
Optical Fiber Type	G.652.D / G.657.A1 / G.657.A1 / G.655 / OM1 / OM2 / OM3 / OM4								
Optical Fiber Dimensions	9/125/245/260 μm / 50/125/245/260 μm / 62.5/125/245/260 μm								
Optical Fiber Count	1 2	24	36	48	72	96	144	288	
Cable Type	Multi Loose Tube								
Tube Material	Polybutylene Terephthalate (PBT)								
Tube Diameter	2,26								
Tube Filling Compound Material	Thixotropic Gel								
Active Tube Count	1	2	3	4	6	8	12	24	
Optical Fibers per Tube	12								
Filler Count	5		4		3		2		
Filler Material	Polyethylene (PE)								
Filler Color	Natural								
Central Strength Member Material	Fiber Reinforced Plastic (FRP)								
Central Strength Member Diameter (mm)	2,2		2,5		2,7				
Central Strength Member Coating Material	Polyethylene (PE)								
Central Strength Member Coated Dia. (mm)	3,9		6,9		4,7				
Water Blocking Method	Gel Filling								
Cable Core Binder	Polyester Yarn								
Cable Core Wrapping	Polyester Tape								
Tensile Strength	2700 N								
Dielectric Tensile Strength Member	Water-swellaable Glass Yarn								
Armor Material	Copolymer coated corrugated steel tape								
Armor Thickness	255 μm								
Jacket Strip Method	2 Aramid Ripcords								
Jacket Material	Medium Density Polyethylene (MDPE) UV resistant								
Jacket Color	Black								
Jacket Wall Thickness	1,55 mm								
Outer Jacket Marking Method	Hot foil stamping								
Outer Jacket Marking Area	One side								
Outer Jacket Marking Application	Applied in one meter intervals								
Optical Fiber Core and Tube Color Standard	11,5		12		13,4		16,4		18,3
Optical Fiber Type	145		160		193		276		357
Optical Fiber Dimensions	2000 meters %±5								

ETK KABLO 2024 MLT-SA-SJ-(GY27) FIBER OPTIC CABLE <LENGTH MARKING IN METERS>

OS2-CST-PE-48

MULTI LOOSE TUBE, CORRUGATED STEEL TAPE ARMOR, POLYETHYLENE JACKET,
FIBER OPTIC CABLE 48 FO

MECHANICAL CHARACTERISTICS (CABLED)

Test	Reference Standard	Specified Value
Maximum Tensile Strength	IEC 60794-1-21-E1	≥ 2700 N
Crush Resistance	IEC 60794-1-21-E3	3000 N/100 mm (15 minutes)

CHEMICAL CHARACTERISTICS

RoHS	Free of hazardous substances according to RoHS regulation
REACH	Safe to use according to REACH regulation

TEMPERATURE RANGE (CABLED)

Transportation	-40 °C to 70 °C
Storage	-40 °C to 70 °C
Installation	-30 °C to 60 °C
Operation	-40 °C to 70 °C

OPTICAL FIBER ATTENUATIONS (CABLED)

ITU-T G.657.A2w	Property	Value
	Maximum attenuation at 1310 nm	0.36 dB/km
	Maximum attenuation at 1550 nm	0.22 dB/km

FIBER OPTIC CABLE 48 FO

Part Number
OS2-CST-PE-48