



Fibre Optic Cable

Steel Wire Armoured Double Jacket FO Cable – FRP



Product Description

Our steel wire armoured cable is super robust and has excellent crush resistance. The fibre optic strands are protected by a strong steel wire armour, a double jacket and also a water blocking filling gel. This enables the cable to be suitable for buried and horizontal applications.

Features & Benefits

- FRP strength member
- Wire armour
- For outdoor use
- Water, flame and rodent resistant
- Available in many colours

Applications

- Long Outdoor distance communication,
- Inter-office communication
- Steep slopes and river / undersea crossing
- Very harsh environmental conditions

Technical Specifications

Fibre Count		12	12	24	48	96
No. of Fibre / Tube		6	6	12		
No. of Tube		1	2	2	4	8
No. of Filler		4	2	3	1	0
Loose Tube	Dimension	1.9±0.1 mm		2.0mm±0.1 mm		
	Material	PBT				
Central Strength	Dimension	1.4mm				3.3mm
Member	Material	FRP				FRP with PE
Inner sheath	Dimension	7.0±0.3mm				9.1±0.4mm
	Material	FR-LSZH (Black)				
Water-blocking Material		Water blocking yarn and Gel				
Armour	Material	Galvanized Steel Wire				
Outer Jacket	Dimension	12.2±0.6mm				15.3±0.6mm
	Material	FR-LSZH (Black)				

To Order

Ordering information on page 2.



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Technical Specifications

Fibre Count	12 - 48	96
Tensile Strength(N) Breaking Load	3000	4000
Tensile Strength(N) During Installation	2700	3000
Tensile Strength(N) Installed	900	1500
Test	Unit	Amount
Crush (Long Term)	N/10cm	2000
Crush (Short Term)	N/10cm	3000
Min. Bend Radius (Dynamic)	mm	20D
Min. Bend Radius (Static)	mm	15D
Installation Temperature	°C	-10+60
Operating Temperature	°C	-20+70
Storage Temperature	°C	-20+70

Standards	IEC 60794-1-1:2023 IEC 60794-4-30:2021 GR-20 Issue 4 IEC 60794 IEC fire/smoke standards ISO/IEC 11801-1, ITU-T G.652D/G.657xx
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Ordering Information

Use combinations of **bold** letters and numbers to create part numbers for ordering.

Cable Type		No of Fibres		Additional*	
SWA	Steel Wire Armoured	C12	12 FO	FRP2	FRP x 2
		C24	24 FO	FCM	FRP Central Strength Member
		C48	48 FO	SCM	Steel Central Strength Member
		C96	96 FO		
MLNA	S2	C288	PE	FCM	
G657A1	A1	HDPE	HD		
G657B3	B3	PVC	PV		
OM1	M1	LSZH	LS		
OM2	M2	Polyethylene	PE		
OM3	M3	LDPE	LD		
OM4	M4	Double Jacket PE/PVC	DJ		
OS1	S1	Double Jacket HDPE	DJHD		
OS2	S2	Single Jacket HDPE	SJHD		
		Single Jacket PE	SJPE		
Fibre Type		Material			

*Leave blank if not required

Example Part Number	
Description	Part Number
Steel Wire Armoured Cable 96 FO A1 Double Jacket with FRP Central Member	SWAA1C96DJFCM

To Order

To place an order, use the contact details below.