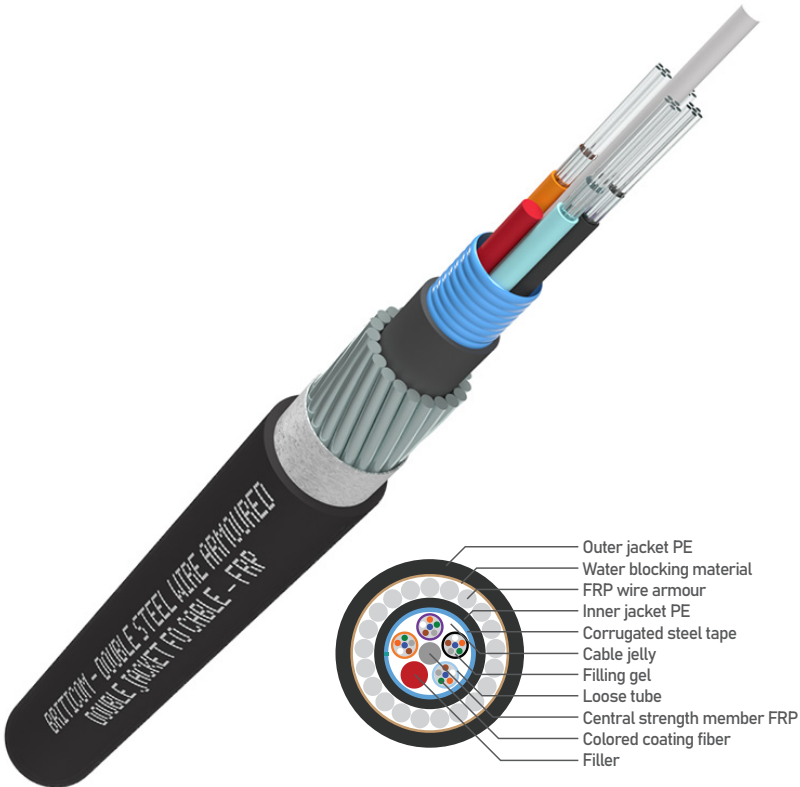




Fibre Optic Cable

Double Steel Wire Armoured Double Jacket FO Cable – FRP



Product Description

Our steel wire and steel tape double armoured cable is super robust and has excellent crush resistance. The fibre optic strands are protected by not only steel tape and wire, but also a double jacket, water blocking material and a filling gel. This enables the cable to be suitable for buried and undersea applications.

Features & Benefits

- Double armoured cable including a corrugated steel tape and a steel wire
- Double PE sheath
- Excellent moisture resistance
- Water blocking filling compound
- APL moisture barrier
- 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	Tubes	Fillers	Cable Weight Ref. (kg/km)	Tensile Strength Long/Short Term (N/100mm)	Crush Resistance Long/Short Term (N/100mm)	Bending Radius Static/Dynamic (mm)		
2~6	1	5	801	4000/10000	3000/5000	12.5D/25D		
8~12	2	4	801					
14~18	3	3	801					
20~24	4	2	801					
26~30	5	1	801					
32~36	6	0	801					
2~6	1	5	984	10000/20000				
8~12	2	4	984					
14~18	3	3	984					
20~24	4	2	984					
26~30	5	1	984					
32~36	6	0	984					

To Order

Ordering information on page 2.





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Technical Specifications

Optical Characteristics					
		G.652	G.655	50/125µm	62.5/125µm
Attenuation (+20 °C)	@850nm	-	-	≤3.0 dB/km	≤3.3 dB/km
	@1300nm	-	-	≤1.0 dB/km	≤1.0 dB/km
	@1310nm	≤0.36 dB/km	≤0.40 dB/km	-	-
	@1550nm	≤0.22 dB/km	≤0.23dB/km	-	-
Bandwidth	@850nm	-	-	≥500 MHz-km	≥200 MHz-km
	@1300nm	-	-	≥500 MHz-km	≥500 MHz-km
Numerical Aperture		-	-	0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λ _{cc}		≤1260nm	≤1450nm	-	-

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
DSWA	Double Steel Wire Armoured	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
Double Steel Wire Armoured Cable 96 FO A1 Double Jacket with FRP Central Member	DSWAA1C96DJFCM

To Order

To place an order, use the contact details below.