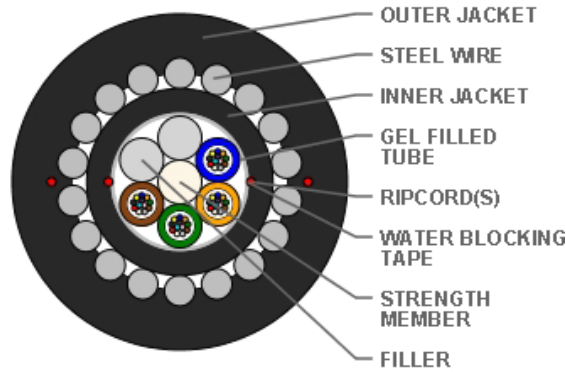


Product Name : ARMOR-LITE OSP DJ SW Armored Fiber Count Stellar Gel Filled WIRE ARM LSZH OFC
Revision : 1.0 **Date** : 09-Nov-2023

Product Details

Sterlite Tech™ ARMOR –LITE™ Multitube Steel Wire Armored Cables is a multipurpose cable design that provides the reliability required in harsh environments. This cable is suitable for direct buried and other hazardous applications. Voice, data, broadband and CATV transmission in Long Distance and Backbone Networks with direct burial and duct.

Construction Diagram



* Typical Construction Diagram - Not to Scale

Features & Benefits

- Steel Wire armour provide rodent protection along with improved crush and impact protection
- The Steel wire enables post installation cable locating
- Dry water-blocking technology for gel free core helps in quicker end preparation
- Easily removable rugged thermoplastic jacket
- Flexible, easy to handle & install
- Tensile and crush resistant

Specifications

Physical Characteristics	
Fibre Type	Sterlite Stellar 250 (ITU-T G.652D/G.657A1/G.657A2)
Maximum Cabled Attenuation (dB/km)	1310nm : 0.35 & 1550nm : 0.21
Individual PMD (ps/sqrt.km)	</= 0.2
PMD LDV (ps/sqrt.km)	</= 0.1
Fibres per Tube	2/4/6/8/12
Fibre Color Sequence	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua
Central Strength Member	Fibre Reinforced Plastic (FRP)
Filler Color	Natural / Black
Inner Sheath Material	Black LSZH
Nominal Sheath Thickness (mm)	1.1
No of Ripcords Below Inner Sheath	2
Metallic Armoring	Steel Wire
Outer Sheath Material	UV Proof Black LSZH
Nominal Sheath Thickness (mm)	2.0
No of Ripcords Below Outer Sheath	2

Cable Characteristics						
Product Code	Fibre Count	Fibre Per Tube	Tubes / Fillers	Tubes Color Sequence	Cable Diameter (mm +/- 1.0)	Cable Weight (kg/km +/- 10%)
B20002C101GAL201AS	2	2	1/5	Blue,Filler,Filler,Filler,Filler,Filler	15.5	435
B20004C101GAL201AS	4	4	1/5	Blue,Filler,Filler,Filler,Filler,Filler	15.5	435
B20006C101GAL201AS	6	6	1/5	Blue,Filler,Filler,Filler,Filler,Filler	15.5	435
B20008C101GAL201AS	8	8	1/5	Blue,Filler,Filler,Filler,Filler,Filler	15.5	435
B20012C101GAL201AS	12	12	1/5	Blue,Filler,Filler,Filler,Filler,Filler	15.5	435
B20016C102GAL201AS	16	8	2/4	Blue,Orange,Filler,Filler,Filler,Filler	15.5	435
B20024C102GAL201AS	24	12	2/4	Blue,Orange,Filler,Filler,Filler,Filler	15.5	435
B20032C104GAL201AS	32	8	4/2	Blue,Orange,Green,Brown,Filler,Filler	15.5	435
B20036C103GAL201AS	36	12	3/3	Blue,Orange,Green,Brown,Filler,Filler	15.5	435
B20048C104GAL201AS	48	12	4/2	Blue,Orange,Green,Brown,Filler,Filler	15.5	435
B20064C108GAL201AS	64	8	8/0	Blue,Orange,Green,Brown,Slate,White,Red,Black	17.0	530
B20072C106GAL201AS	72	12	6/0	Blue,Orange,Green,Brown,Slate,White	15.5	435
B20096C108GAL201AS	96	12	8/0	Blue,Orange,Green,Brown,Slate,White,Red,Black	17.0	530
B20144C112GAL201AS	144	12	12/0	Blue,Orange,Green,Brown,Slate,White,Red,Black, Yellow,Violet,Pink,Aqua	19.5	660

Mechanical & Environmental Characteristics		
Cable Characteristics	Testing Standard	Cable Performance
Max Tensile Strength (N)	IEC-60794-1-21-E1	3000
Crush Resistance (N/100 mm)	IEC-60794-1-21-E3	3000
Impact Strength(Nm)	IEC-60794-1-21-E4	10
Torsion	IEC-60794-1-21-E7	±180°
Min. Bend Radius	IEC-60794-1-21-E11	20 D
Repeated Bending	IEC-60794-1-21-E6	20 D
Water Penetration Test	IEC-60794-1-22-F5	1m waterhead, 3m samples, 24 h
Drip Test	IEC-60794-1-21-E14	30 cm, 70°C, 24 h
Temperature Performance	IEC-60794-1-22-F1	Max. change in attenuation shall be $\leq 0.15\text{ dB/km}$
Installation		-30°C to +70°C
Operation		-30°C to +70°C
Storage		-40°C to +70°C

Note : All tests shall be carried out as per IEC standards. Change in attenuation after and before testing shall be $\leq 0.05\text{ dB/km}$ for Single Mode fibre

Cable Performance Standards

Cable complies to the following standards IEC 60793, IEC 60794, ITU-T, ANSI/TIA-492 Series, ANSI/TIA-568.3-E, RoHS, REACH.

Packing and Lengths

Drum Type : Wooden Drums
Length Multiple (km) : $2/4 \pm 5\%$
Order Tolerance : $\pm 5\%$
Short Lengths : Max 5%, Customer Approval

Printing Details

Printing : STERLITE SM FIBER COUNT STELLAR WIRE ARMOR LASER SYMBOL TELEPHONE SYMBOL YEAR OF MANUFACTURE LENGTH CODE METER MARKING

Note : The accuracy of marking shall be + 0.5%. Occasional loss of printing & remarking shall be as per Bell core GR 20 and this supersedes the earlier markings.

Revision History

Revision No.	Date	Description
1.0	09-Nov-2023	Initial Issue