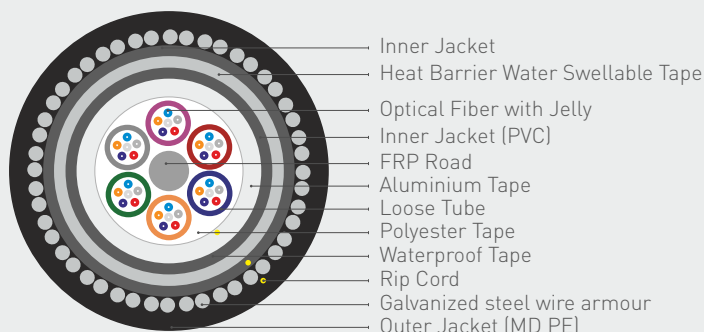


# TRIPLE JACKET GALVANIZED STEEL WIRE ARMoured EXTERNAL CABLE-G.652D

This single mode type fibre optic cable is constructed for underground application. The fibre cores shall be identical and capable of transmitting either data or voice signals. The fibre shall have loose secondary coating of high modulus plastic. The tubes are filled with a filling compound and the center of the cable contain a strength member. The tubes with fiber shall be stranded around the strength member into a compact and circular cable core by application of suitable core wrapping material. Two 24 Core fibre optic cable shall be laid along with each 33KV underground cable circuit.

The cable structure is completed by application of galvanized steel armoring and a MDPE outer jacket. The cable shall be installed in a 100mm diameter PVC duct and also be suitable for direct burial in the ground.



## COMPLIANCE

IEC 60793-1  
IEC 60794-1

## MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Description	Short Term	Long Term
Max. Tensile Load	6000N	4000N
Max. Crush Load	5000N/100 mm	4000N/100mm
Operating Temperature	-40°C to +70°C	
Inner Sheath Material	Double Layer PVC	
Outer Sheath Material	MD PE (Medium Density Polyethylene)	
Temperature withstand under short circuit current (1s)	-300°C	

## OPTICAL CHARACTERISTICS

Cut off Wave Length	≤1270nm
Attenuation at 1285-1330nm	≤0.4dB/Km
Attenuation at 1550nm	≤0.25dB/Km
Zero Dispersion Wave Length	≤1310 nm
Chromatic Dispersion at 1285-1330nm	≤3.5 Ps/(Km.nm)
Individual Splice Loss	≤0.15 dB
Mean Splice Loss	0.1 dB
Optical Loss Variation in temperature Range -25°C to +150°C	≤ ± 0.05 dB/Km

# TRIPLE JACKET GALVANIZED STEEL WIRE ARMOURED EXTERNAL CABLE-G.652D

## ORDERING INFORMATION

Part Number	Fibre Count	Outer Diameter (mm)	Loose Tube Diameter (mm)	Cable Weight (Kg/Km)	Bend Radius	
					Short Term (mm)	Long Term (mm)
3143-310240S2CL	24	16.0	2.0	207.5	20D	10D

## ORDERING GUIDE

Cable Type	Jacket	Fibre/Tube	Fibre Count	Fibre Type(FXX)	Jacket Colour (CL)
3143	3=PE	1=12F/T	24	OS2=9/125 (G652.D) OS2	As noted

CL: BK(Black), OR(Orange), YL(Yellow), GN(Green), AQ(Aqua), RD(Red), BL(Blue)

## PACKING INFORMATION

Part Number	Packing Length	Packing Mode	N.W (Kg)	G.W (Kg)	Dimension (mm)
3143-310240S2CL	2 Km	Wooden Drum	415	515	1150x1150x750

CL: BK(Black), OR(Orange), YL(Yellow), GN(Green), AQ(Aqua), RD(Red), BL(Blue)