

# ALL DIELECTRIC TIGHT BUFFERED DOUBLE JACKET FIBER OPTIC CABLE

These All-Dielectric Tight Buffered Double Jacket Fiber Optic Cable, engineered for superior performance and durability in demanding environments. This cable features a robust all-dielectric design, making it ideal for installations with high electrical interference. Fibers in cable is coated with a buffer layer, simplifying handling and reducing damage risk during deployment. The double jacket construction offers protection against moisture, chemicals, and abrasion. Reinforced with Kevlar aramid yarn and E-Glass strength members, the cable withstands mechanical stresses and pulling forces, ensuring reliable data transmission. Suitable for indoor use, this versatile cable is perfect for telecommunications applications.





### COMPLIANCE

ITU-T G652.B OS1  
 ITU-T G652.D/G655/G657.A1/G657.A2 OS2  
 ITU-T G651.1 OM1 OM2 OM3 OM4  
 IEC60793-2-10 type A1a.1/A1b OM1/OM2  
 IEC60793-2-10 type A1a.2 OM3  
 IEC60793-2-10 type A1a.3 OM4  
 ISO/IEC 11801 , ISO/IEC 24702  
 ANSI/TIA/EIA 568C.3  
 ROHS compliant Directive 2002/95/EC  
 LSZH: IEC 60332-1, IEC 60754, IEC 61034

## MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Characteristics	Short Term	Long Term
Max. Tensile Strength	1500 N	1200 N
Max. Crush Load	2000 N/100 mm	1000 N/100 mm
Operating Temperature	-20 °C to +70 °C	
Storage Temperature	-20 °C to +70 °C	
Installation Temperature	-10 °C to +60 °C	
Inner LSZH Sheath Thickness	0.9 mm	
Outer LSZH Sheath Thickness	1.1 mm	

## ORDERING INFORMATION

Part Number	Fibre Count	Inner Sheath Diameter (mm)	Outer Sheath Diameter (mm)	Cable Weight (kg/km)	Bend Radius	
					Short (mm)	Long (mm)
4043-21012FXXCL	12	6.3 ± 0.3	9.0 ± 0.5	76.0	20D	10D
4043-21024 FXXCL	24	8.3 ± 0.3	10.8 ± 0.5	130.0	20D	10D
4043-21048 FXXCL	48	9.8 ± 0.3	13.2 ± 0.5	180.0	20D	10D

# ALL DIELECTRIC TIGHT BUFFERED DOUBLE JACKET FIBER OPTIC CABLE

## ORDERING GUIDE

Cable Type	Jacket	No. of Tube	Fibre Count	Fibre Type (FXX)	Jacket Colour (CL)
4043	1=PVC 2=LSZH	1	No.of Fibre	OM1=62.5/125 OM1 OM2=50/125 OM2 OM3=50/125 OM3 OM4=50/125 OM4 OS1=9/125 [G652.B] OS1 OS2=9/125 [G652.D] OS2 500=9/125 [G655] OS2 7A1=9/125 [G657.A1] OS2 7A2=9/125 [G657.A2] 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)
4043-21012FXXCL	2500 x 1	Wooden Drum	190.0	250.0	950 x 550 x 950
4043-21024 FXXCL	2500 x 1	Wooden Drum	325.0	385.0	1050 x 720 x 1050
4043-21048 FXXCL	2500 x 1	Wooden Drum	450.0	520.0	1230 x 720 x 1230