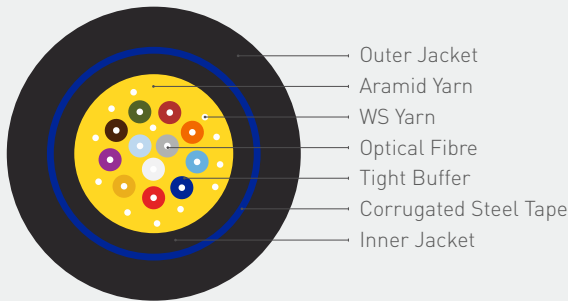
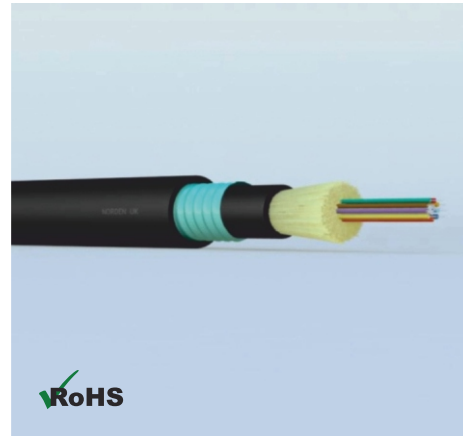


DISTRIBUTION TIGHT BUFFER DOUBLE SHEATH ARMoured FIBRE OPTIC CABLE



This cable is engineered for high-performance outdoor distribution and is built to withstand tough environmental conditions. Its 900 µm tight buffer construction simplifies fibre termination, allowing for quick and cost-effective installation without the need for breakout kits. The dual-sheath design ensures maximum durability: the inner LSZH (Low Smoke Zero Halogen) layer provides flame resistance, while the outer HDPE jacket delivers excellent protection against mechanical impact, UV radiation, and moisture. With outstanding flexibility and moisture resistance, this cable is ideal for routing through tight spaces and multiple bends. Its rugged design ensures secure, long-lasting connectivity, making it a reliable solution for a variety of external fiber optic 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 OM5
 IEC60793-2-10 type A1a.1/A1b OM1/OM2
 IEC60793-2-10 type A1a.2 OM3
 IEC60793-2-10 type A1a.3 OM4
 IEC60793-2-10 type A1a.4 OM5
 ISO/IEC 11801, ISO/IEC 24702
 ANSI/TIA/EIA 568.3-D
 ROHS compliant Directive 2002/95/EC

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Characteristics	Value
Tight Buffer OD	900 ± 50 µm
Tight Buffer Material	LSZH
Peripheral Strength Member	Aramid Yarn
Moisture Barrier	Water Swallable Yarn
Inner Jacket Material and Thickness	LSZH Black Colour - 0.8 mm (Nominal)
Armouring	ECCS Tape
Outer Jacket Material and Thickness	HDPE - 1.5 mm (Nominal)
Attenuation @ 1310 nm: (dB/km) @ 1550 nm: (dB/km)	≤ 0.38 ≤ 0.25
Temp. Range	-20° C to +70° C
Crush Resistance	06F : 2000 N/100mm 12F : 3000 N/100mm
Max. Tensile Strength	06F : 2500 N 12F : 800 N
Min. Bending Radius	20D



DISTRIBUTION TIGHT BUFFER DOUBLE SHEATH ARMoured FIBRE OPTIC CABLE



ORDERING INFORMATION

Part No.	Description	Cable Dia. (Nominal)	Cable Weight (Kg/Km)
4046-Z3006OS2CL	06F SM OS2 Distribution Tight Buffer Double Sheath Armoured Fibre Optic Cable Inner LSZH & Outer HDPE	10.7 ± 0.3 mm	110.0 ± 10%
4046-Z1012OS2CL	12F SM OS2 Distribution Tight Buffer Double Sheath Armoured Fibre Optic Cable Inner LSZH & Outer HDPE	11.0 ± 0.3 mm	120.0 ± 10%

ORDERING GUIDE

Cable Type	Jacket	Fibre per Tube	Fibre Count	Fibre Type (FXX)	Jacket Colour (CL)
4046	Z: LSZH inner & HDPE Outer	1 : 12F/T 3 : 06F/T	No. of Fibre	OM1=62.5/125 OM1 OM2=50/125 OM2 OM3=50/125 OM3 OM4=50/125 OM4 OM5=50/125 OM5 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)
4046-Z3006OS2CL	1000 x 1	Pine/Plywood Spool	105.0	130 ±10	800 × 450 × 590
4046-Z1012OS2CL	1000 x 1	Pine/Plywood Spool	120.0	145 ±10	800 × 450 × 590