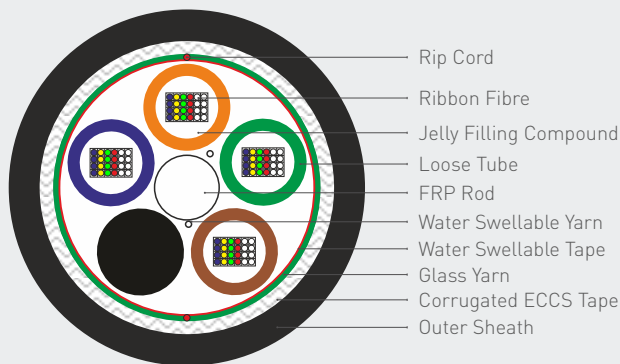
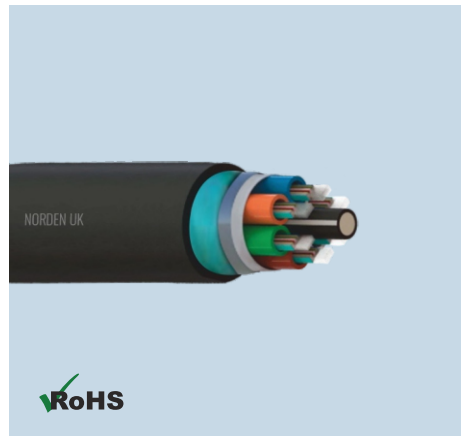


# SINGLE SHEATH ARMoured SEMI-DRY CORE RIBBON FIBRE OPTIC CABLE

Norden Single Sheath Armoured Semi-Dry Core Ribbon Fibre Optic Cable is engineered for underground duct, or aerial installation applications, incorporating a non-metallic, anti-buckling FRP rod as the central strength member for enhanced structural stability. It features loose buffer tubes filled with Thixotropic Jelly to safeguard the ribbon fibres, while the S-Z stranded core, wrapped with water-swellaable tape, provides excellent moisture resistance. Additional reinforcement comes from a peripheral strength member made of glass yarn and corrugated ECCS tape, while the UV-stabilized HDPE outer sheath ensures durability in demanding environments. Rip cord enables easy sheath removal, and the flexible buffer tubes simplify fiber routing within closures. The cable is designed for superior mechanical protection, offering resistance to rodents, termites, salinity, and corrosion, ensuring long-term reliability in underground network installations.



## 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  
 IEEE 802.3z Gigabit Ethernet  
 ANSI/TIA/EIA 568.3-D

## MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Characteristics	Value
Max. Tensile Load (IEC 60794-1-21-E1)	3000 N @ 0.25% Fiber Strain
Max. Crush Load (IEC 60794-1-21-E3)	2000 N / (100 X 100 mm)
Impact Resistance (IEC 60794-1-21-E4)	Height 500 mm, Weight = 50 N, 10 Impact at different locations
Torsion Resistance (IEC 60794-1-21-E7)	10 Cycle (± 180°) 100 N, L= 2 Mtr
Cable Bending (IEC 60794-1-21-E11)	4 Turns , 10 Cycles , 20 X D
Water Penetration (IEC 60794-1-22-F5)	1 Meter Water Head, 3 Meters Cable Sample, 24 Hours
Operating Temperature	-20 °C to +70 °C
Installation Temperature	-20°C to +70°C
Storage Temperature	-20°C to +70°C
Jacket Material	HDPE (UV Stabilized)
Jacket Thickness	Min. 1.8 mm

## ORDERING INFORMATION

Part Number	Fibre Count	No. of Fibre/Ribbon	No. of Ribbon/Tube	No. of Loose Tube	No. of Filler Tubes	Outer Diameter (mm)	Cable Weight (kg/km)	Bend Radius	
								Short (mm)	Long (mm)
40R1-H110487A1CL	48	6	2	4	1	15.5 ± 1.0	205	20 x D	10 x D
40R1-H120967A1CL	96	6	4	4	1	17.0 ± 1.0	250	20 x D	10 x D
40R1-H131447A1CL	144	6	6	4	1	18.0 ± 1.0	280 ± 10%	20 x D	10 x D
40R1-H132167A1CL	216	6	6	6	0	19.5 ± 1.0	320 ± 10%	20 x D	10 x D
40R1-H132887A1CL	288	6	6	8	0	22.5 ± 1.0	410 ± 10%	20 x D	10 x D

# SINGLE SHEATH ARMoured SEMI-DRY CORE RIBBON FIBRE OPTIC CABLE

## ORDERING GUIDE

Cable Type	Jacket	No.of Fibre/Ribbon	No.of Ribbon/Tube	Fibre Count	Fibre Type	Jacket Colour (CL)
40R1	H=HDPE (UV Stabilized)	1=06F/R 2=12F/R	1=2R/T 2=4R/T 3=6R/T	XXX	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)
40R1-H110487A1CL	2000 ± 10%	Wooden Drum	180	600
40R1-H120967A1CL	2000 ± 10%	Wooden Drum	180	680
40R1-H131447A1CL	2000 ± 10%	Wooden Drum	180	750
40R1-H132167A1CL	2000 ± 5%	Wooden Drum	290	930
40R1-H132887A1CL	2000 ± 5%	Wooden Drum	330	1150