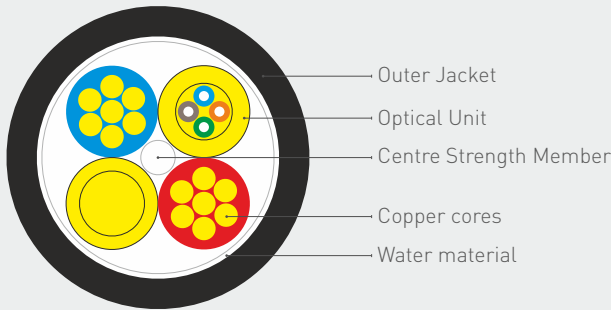
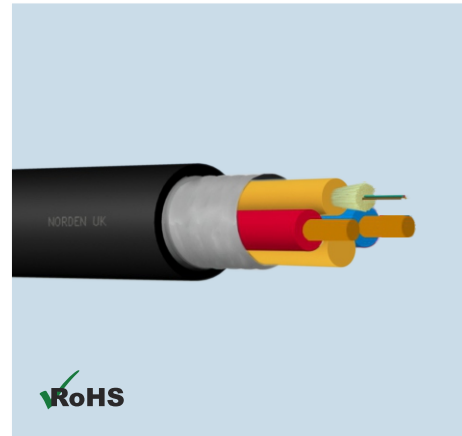


# HYBRID FIBRE OPTIC IN/OUT CABLE

Norden Hybrid In/Out Cable has copper and fibre connectivity in a single cable to safely deliver low-voltage power and data over long distances to remote locations where standard power is unavailable or too costly to install. This cable is constructed with 2 core 16 AWG copper conductor cable & 4 Core tight buffered fibre cable with LSZH (UV resistant) jacket for internal/external applications. Hybrid cable technology offers low installation and labour cost by requiring just a single cable pull.



## 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  
 IEC60794  
 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

## CABLE SPECIFICATION

Characteristics		Long Term
Centre Strength Member		FRP
Copper cores	Conductor size	16AWG
	Sheath Material	LSZH
	Outer sheath Dia.	2.9mm
Optical unit	Tight buffer	0.6±0.05mm
	Strength Member	Kevlar yarn
	Outer sheath Dia.	2.9±0.1mm
Water Protection		Water-proof tape
Outer sheath	Material	UV-resistant LSZH
	Diameter	9.0±0.5mm
	Thickness	1.0±0.1mm
	Color	Black

# HYBRID FIBRE OPTIC IN/OUT CABLE



## MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Characteristics	Short Term	Long Term
Max. Tensile Load	800 N	500 N
Max. Crush Load	1000 N/100 mm <sup>2</sup>	500 N/100 mm <sup>2</sup>
Operating Temp.	-40°C to +70°C	
Storage Temp.	-40°C to +70°C	

## ORDERING INFORMATION

Part Number	Description
3158-200020S2CL	2 Core 16 AWG Copper & 2 Core SM OS2 G652.D Hybrid Fibre Optic In/Out Cable LSZH
3158-300020S2CL	2 Core 16 AWG Copper & 2 Core SM OS2 G652.D Hybrid Fibre Optic In/Out Cable PE
3158-200040S2CL	2 Core 16 AWG Copper & 4 Core SM OS2 G652.D Hybrid Fibre Optic In/Out Cable LSZH