



Products
Telecom network cabling

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About Nexans

Nexans is the worldwide leader in the cable industry

With energy as the basis of its development, Nexans is a global player in the infrastructure, industry, building and Local Area Network (LAN) markets.

As a worldwide leader in the cable industry, it offers an extensive range of cables and cabling systems to raise **industrial productivity, improve business performance, enhance security, enrich the quality of life, and assure long-term network reliability.**

With an industrial presence in 40 countries and commercial activities worldwide, Nexans employs 23,700 people and had sales in 2010 of 6 billion euros. Nexans is listed on NYSE Euronext Paris, compartment A. More information on www.nexans-fi.com

Infrastructure

Nexans provides complete cables and cabling solutions for **power transmission and distribution.** New technologies, which are environmentally-friendly, increase capacity and reduce the danger of blackouts.

To reinforce rail safety and efficiency, we have products especially designed for the demanding railroad environment.

And to meet diverse needs of incumbent and new telecoms operators, Nexans has customized solutions aimed at lowering capital expenditure and operating costs.

For the world's busy airports, we offer cables and cabling systems for energy and communication networks, terminals, baggage handling systems, runway lights, control towers, etc.

Industry

Nexans offers a complete portfolio of cables and solutions for market segments as diverse as the **automotive, rolling stock and aerospace industries, shipbuilding, nuclear power, oil & gas and petrochemicals, medical and wind applications, material handling and automation.**

We add value through advanced technologies and durable high-performance products.

Building

Nexans supplies cables and network solutions for structures of all types: from small residences to public and office buildings and big industrial complexes.

Nexans pioneered fire-performance cables for public safety, created industrial Ethernet solutions to unite the office and the factory floor platform, and ensured the highest standards of environmental friendliness and recyclability.







From standard products to renewable energy solutions, these products contribute to the sustainable buildings of the future.

Local Area Networks

Nexans provides copper and optical fiber cabling systems for new resource-intensive applications, like Data Centers, Security services, and Storage Area Networks.

Nexans' advanced solutions are handling core business data, protecting operations in sensitive conditions, and giving organizations highspeed transmission and the ability to protect and retrieve vital information.

Symbols

Halogen free	
Operating temperature, range	
Storage temperature, range	
Fire retardant	
Ambient installation temperature, range	
Fire resistant	

Telecom network cabling

With experience in every aspect of cables, components and systems, Nexans is your ideal partner in a changing telecom environment. Nexans produces **a wide range of copper and optical fiber cables, and associated interconnect solutions**, like jointing and splicing boxes. Our R&D labs continue to design and refine products dedicated to open standards, while our proven network expertise means that we can integrate technologies to meet your specific needs, and provide turnkey projects worldwide.



Telecom outdoor cables

With experience in every aspect of cables, components and systems, Nexans is your ideal partner in a changing telecom environment.

Nexans produces a wide range of copper and optical fiber cables, and associated interconnect solutions, like jointing and splicing boxes.

Our R&D labs continue to design and refine products dedicated to open standards, while our proven network expertise means that we can integrate technologies to meet your specific needs, and provide turnkey projects worldwide.

How Nexans can bring your network together:

- A wide range of advanced telecommunications cables and accessories
- Quality, high-speed networks at the lowest possible cost
- Powerful, leading-edge technology devoted to open standards
- International scope for global carriers
- Network expertise for long-distance, metropolitan and access links
- Full service and support

Copper subscriber access cables

To answer growing subscriber demand for integrated voice, data and video to the office desk or home, Nexans has developed a family of "last mile" copper solutions allowing capacities up to 4,000 pairs with a full range of copper interconnect solutions.

Underground

Symmetric copper pairs cables . Insulation "Foam-Skin". Assembled in quads.
Combined sheath type ALT out of Polyethylen and aluminium ribbon. Protection
against rats or traction armouring .Fire resistant outer sheath on demand.



VMOHBU-TL

Foamed PE insulated, petroleum-jelly filled, PE sheathed telephone cable intended for installation outdoors, underground in ground or ducts.

Description

Design

Pair-twisted, petroleum-jelly filled, screened and PE-sheathed telecommunication cable. The cable is designed in accordance with the Finnish Standard SFS 5012. The a-wire of the pair has a stripe of same colour as the b-wire, which simplifies the identification when terminating the cable. VMOHBU-TL is used for telephony and digital communication (xDSL) in the access network.

Design standard

VMOHBU-TL is made, designed and type tested according to Finnish Standard SFS 5012.

Quality system

Design, manufacture and testing according to the requirements in ISO 9001.



Standards

National SFS 5012



Ambient installation T°C range
-20 .. 40 °C



Operating temp. range
-40 .. 70 °C

VMOHBU-TL

Characteristics

Construction characteristics	
Conductor shape	Single wired
Conductor material	Bare annealed copper
Insulation	Foam-skin polyethylene
Twisted	Yes
Material used for length water tightness	Vaseline
Screen	Longitudinal aluminium tape + copper wire
Outer sheath	PE LLD
Colour	Black
Dimensional characteristics	
Conductor diameter	0.5 mm
Electrical characteristics	
Resistance unbalance DC max % of loop resistance	2 %
Max. capacity pair / core to core	45 nF/km
Capacitance unbalance max.	150 pF/500m
Maximum operating voltage	100 V
Usage characteristics	
Ambient installation temperature, range	-20 .. 40 °C
Operating temperature, range	-40 .. 70 °C

Product List

☎ = Make to order, 🏭 = Make to stock

Nexans ref.	Country ref.	Name	Nom. outer diam. (mm)	Approx. weight (kg/100m)
🏭 38607198	0235801	VMOHBU-TL 3x2x0,5	9.5	7.0
🏭 38607298	0235802	VMOHBU-TL 5x2x0,5	10.0	9.0
🏭 38607398	0235803	VMOHBU-TL 10x2x0,5	11.5	13.0
🏭 38607498	0235804	VMOHBU-TL 20x2x0,5	14.0	20.5
🏭 38607598	0235805	VMOHBU-TL 30x2x0,5	17.0	27.5
🏭 38607698	0235806	VMOHBU-TL 50x2x0,5	19.5	42.5
🏭 38607798	0235807	VMOHBU-TL 100x2x0,5	25.5	77.5
☎ 38607898	0235808	VMOHBU-TL 200x2x0,5	37.0	154.0

☎ = Make to order, 🏭 = Make to stock

Selling delivery information

VMOHBU-TL will be delivered in lengths of 1000 m. The drum is marked with manufacturer, type of cable and length. The ends of the cable are sealed.

Aerial

Aerial

VMOHBUK-TL

Jelly filled, screened, self-supporting telecommunication cable with suspension strand.

Description**Design**

Cell-PE insulated, pair-twisted, jelly filled, screened telecommunication cable with suspension strand. VMOHBUK-TL is designed in accordance with the Finnish Standard SFS 5040. The a-wire of the pair has a stripe of same colour as the b-wire, which simplifies the identification when terminating the cable. The cable is intended for installation outdoors on poles and is used for digital communication (XDSL) in the access network.. Colour code for pairs and units according to colour scheme under related information. The sheath is marked with e.g. "VMOHBUK 10x2x0.5 NEXANS GS" year month + metre marking".

Quality system

Design, manufacture and testing according to the requirements in ISO 9001.

Environmental management system

The activities at our plant in Grimsås are certified to ISO 14001.

**Standards**

National SFS 5740



Ambient installation T°C range
-20 .. 40 °C





Operating temp. range
-40 .. 70 °C









VMOHBUK-TL



Characteristics

Construction characteristics	
Conductor shape	Single wired
Conductor material	Bare annealed copper
Insulation	Foam-skin polyethylene
Twisted	Yes
Material used for length water tightness	Vaseline
Screen	Longitudinal aluminium tape + copper wire
Outer sheath	PE LLD
Colour	Black
Dimensional characteristics	
Conductor diameter	0.5 mm
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	96 Ohm/km
Resistance unbalance DC max % of loop resistance	2 %
Max. capacity pair / core to core	45 nF/km
Capacitance unbalance max.	150 pF/500m
Ohmical resistance of the insulation	2000 MOhm.km
Maximum operating voltage	100 V
Transmission characteristics	
Attenuation, nom. 800 Hz	1.2 dB/km
Attenuation, nom. 1 MHz	16 dB/km
Usage characteristics	
Ambient installation temperature, range	-20 .. 40 °C
Operating temperature, range	-40 .. 70 °C

Product List

 = Make to order,  = Make to stock

Nexans ref.	Country ref.	Name	Nom. outer diam. (mm)	Approx. weight (kg/100m)
 38625198	0235851	VMOHBUK-TL 3x2x0,5	9.5	16.0
 38625298	0235852	VMOHBUK-TL 5x2x0,5	10.0	17.5
 38625398	0235853	VMOHBUK-TL 10x2x0,5	11.5	22.0
 38625498	0235854	VMOHBUK-TL 20x2x0,5	15.0	29.5
 38625598	0235855	VMOHBUK-TL 30x2x0,5	17.0	37.5
 38625698	0235856	VMOHBUK-TL 50x2x0,5	20.0	53.0
 38625798	0235857	VMOHBUK-TL 100x2x0,5	27.0	95.0
 38625898	0235858	VMOHBUK-TL 200x2x0,5	37.0	173.0

 = Make to order,  = Make to stock

Selling delivery information

VMOHBUK-TL will be delivered in lengths of 1000 m. The drum is marked with manufacturer, type of cable and length. The ends of the cable are sealed.

Fibre optical cables

A fibre optic cable allows an optimized transmission of a large amount of information (Voice, Data, Images) on long distance.

Cable structures differ depending on fibre count, installation environments (indoor, outdoor, rodent protection, fire performances...) and installation modes (pulling, blowing)

Main cable families are cords, distribution cables, loose tube cables (unitube or multitube design) and micro-cables.



Optical Underground Cable (OUC)

Nexans offer a variety of cables that can be installed either in ducts or directly buried in the ground. These cables can have different armouring depending on your application (Metallic or dielectric design).

The Optical fibers "Loose " type cables have Non-metallic traction armouring for loads starting with 150 up to 1200 daN. Two main standard structures are available; unitubes (up to 24 fibres) and multitubes (up to 72 fibres).

The datasheets presented in this segment are just a short overview of the large Nexans range (More than 1000 cable designs with fibre count up to 432 fibres).

FYO2PMU

Type FYO2PMU is a unitube fibre optical cable. The cable type is intended for use in regional, urban, and area property networks

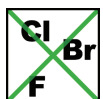
Description

FYO2PMU is a unitube fiber optical cable and intended for outdoor use in ducts. The tube is 3.5mm or 4.8mm. The design can incorporate 4-96 fibers in a unitube. The individually colored fibers are grouped with color threads up to 12f or micro bundles (48 and 96f). The cable is longitudinal water-blocked through the use of polymeric filling compound. Strength member (steel rods) is used for mechanical protection. The cable has an outer sheath of halogen- free black polyethylene

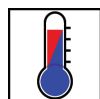


Standards

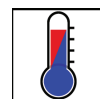
International IEC 60793; IEC 60794;
 IEC 60794-1; ITU-T Rec. G.652



Halogen free
 Yes



Operating temp. range
 -45 .. 70 °C



Ambient installation T°C range
 -15 .. 60 °C










Storage temperature, range
 -45 .. 70 °C



FYO2PMU

Characteristics

Construction characteristics	
Construction type	Unitube
Fiber optic type	SM (G.652D)
Outer sheath	PE
Sheath colour	Black
Halogen free	Yes
Metal free	No
Additional strength member	Steel wires
Length water tightness Tube	Jelly
Dimensional characteristics	
Additional Strength member size	1.4 mm
Mechanical characteristics	
Nominal permanent tensile strength	1 kN
Crush resistance (EN 187 000)	3 kN
Maximum pulling force by laying	2 kN
Usage characteristics	
Installation type	Outdoor - Duct
Operating temperature, range	-45 .. 70 °C
Ambient installation temperature, range	-15 .. 60 °C
Storage temperature, range	-45 .. 70 °C

Product List

Nexans ref.	Name	Number of optical fibres, range	Nom. outer diam. (mm)	Tube diameter (mm)
 29628598	FYO2PMU 3.5 12SML G652D	4 .. 12	8.3	3.5
 70898398	FYO2PMU 3.5 4SML G652D	4 .. 12	8.3	3.5
 29628398	FYO2PMU 3.5 6SML G652D	4 .. 12	8.3	3.5
 70682398	FYO2PMU 4.8 12SML G652D	4 .. 96	10.6	4.8
 70682598	FYO2PMU 4.8 2x12SML G652D	4 .. 96	10.6	4.8
 70682198	FYO2PMU 4.8 4SML G652D	4 .. 96	10.6	4.8
 70682298	FYO2PMU 4.8 6SML G652D	4 .. 96	10.6	4.8

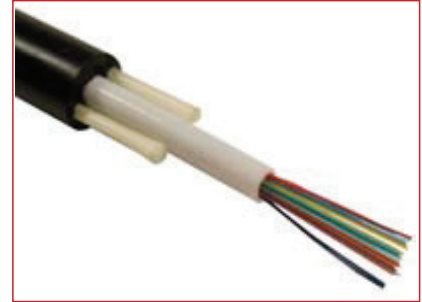
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FYO2RMU

Type FYO2RMU is a unitube fibre optical cable. The cable type is intended for use in regional, urban, and area property networks

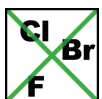
Description

FYO2RMU is a unitube fiber optical cable and intended for outdoor use in ducts. The design can incorporate 4 -96 fibers in a unitube. The individually colored fibers are grouped with color threads up to 12f or micro bundles (48 and 96f). The cable is longitudinal water-blocked through the use of polymeric filling compound. Strength members (FRP) are used for mechanical protection. The cable has an outer sheath of halogen- free black polyethylene

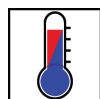


Standards

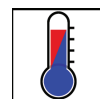
International IEC 60793; IEC 60794;
 IEC 60794-1; ITU-T Rec. G.650; ITU-T Rec. G.652



Halogen free
 Yes



Operating temp. range
 -45 .. 70 °C



Ambient installation T°C range
 -15 .. 60 °C





Storage temperature, range
 -45 .. 70 °C







FYO2RMU



Characteristics

Construction characteristics	
Construction type	Unitube
Outer sheath	PE
Sheath colour	Black
Halogen free	Yes
Metal free	Yes
Additional strength member	FRP
Dielectric	Yes
Length water tightness Tube	Jelly
Usage characteristics	
Installation type	Outdoor - Duct
Operating temperature, range	-45 .. 70 °C
Ambient installation temperature, range	-15 .. 60 °C
Storage temperature, range	-45 .. 70 °C

Product List

 = Make to order,  = Make to stock

Nexans ref.	Country ref.	Name
 70736298	0236488	FYO2RMU 12 SML + 12 GKL
 70685298	0236481	FYO2RMU 12 SML G652D
 29620198	0236482	FYO2RMU 2x12 SML G652D
 29620098	0236486	FYO2RMU 4 SML + 4 GKL
 70686298	0236480	FYO2RMU 6 SML G652D
 70735798	0236487	FYO2RMU 8 SML + 8 GKL

 = Make to order,  = Make to stock

Contact

Telecom and Data cables
 Phone: 040 5505 485
 telecomcable-pc.se@nexans.com

FYOVD2PMU

Type FYOVD2PMU is a unitube fibre optical cable. The cable type is intended for use in regional, urban, and area property networks.

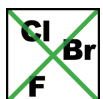
Description

FYOVD2PMU is a unitube fiber optical cable and intended for outdoor use in ducts or direct buried. The design can incorporate 1 -96 fibers in a unitube. The individually colored fibers are grouped with color threads up to 12f or micro bundles (48 and 96f). The cable is longitudinal water-blocked through the use of polymeric filling compound. Corrugated coated steel tape and galvanized steel wire is used for rodent and mechanical protection. The cable has an outer sheath of halogen- free black polyethylene.

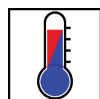


Standards

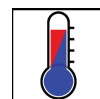
International IEC 60793; IEC 60794; IEC 60794-1; ITU-T Rec. G.650; ITU-T Rec. G.652



Halogen free
Yes



Operating temp. range
-45 .. 60 °C



Ambient installation T°C range
-15 .. 60 °C





Storage temperature, range
-45 .. 60 °C







FYOVD2PMU



Characteristics

Construction characteristics	
Construction type	Unitube
Armour type	Corrugated steel
Outer sheath	PE
Strength member	Steel wires
Sheath colour	Black
Halogen free	Yes
Metal free	No
Dimensional characteristics	
Number of optical fibres, range	1 .. 96
Additional Strength member size	2.0 mm
Usage characteristics	
Installation type	Outdoor - Direct burial
Operating temperature, range	-45 .. 60 °C
Ambient installation temperature, range	-15 .. 60 °C
Storage temperature, range	-45 .. 60 °C

Product List

 = Make to order,  = Make to stock

Nexans ref.	Country ref.	Name
 29619198	0236445	FYOVD2PMU 12SML + 12GKL
 29619298	0236441	FYOVD2PMU 12SML G652D
 29619498	0236442	FYOVD2PMU 2x12SML G652D
 29619598	0236443	FYOVD2PMU 4SML + 4GKL
 29619398	0236440	FYOVD2PMU 6 SML G652D
 29619098	0236444	FYOVD2PMU 8SML + 8GKL

 = Make to order,  = Make to stock

FZOHBMU-SD

Type FZOHBMU-SD is a loose tube fibre optical cable. The cable type is intended for use in regional, urban, and area property networks

Description

FZOHBMU-SD is a loose tube fiber optical cable and intended for outdoor use in ducts. The design can incorporate 6- 432 fibers in loose tubes. The individually colored fibers are tubed in groups of 6, 12 or 24f, and stranded onto a central dielectric fiber reinforced strength member (FRP). The cable type is longitudinal water blocked through the use of swellable tape. Polyethylene coated aluminum tape is used for rodent protection, moisture barrier and mechanical protection. The cable has an outer sheath of halogen- free black polyethylene



Standards

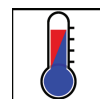
International IEC 60793; IEC 60794;
 IEC 60794-1; ITU-T Rec. G.650; ITU-T Rec. G.652



Halogen free
Yes



Operating temp. range
-45 .. 70 °C



Ambient installation T°C range
-15 .. 60 °C



Storage temperature, range
-45 .. 70 °C

FZOHBMU-SD

Characteristics

Construction characteristics	
Construction type	Loose tube, SZ
Strength member	Central FRP
Fiber optic type	SM (G.652D)
Material used for length water tightness	Swellable tape
Armour type	Aluminium tape
Outer sheath	HDPE
Sheath colour	Black
Halogen free	Yes
Metal free	No
Length water tightness Tube	Jelly
Dimensional characteristics	
Number of optical fibres, range	6 .. 432
Usage characteristics	
Installation type	Outdoor - Duct
Operating temperature, range	-45 .. 70 °C
Ambient installation temperature, range	-15 .. 60 °C
Storage temperature, range	-45 .. 70 °C

Product List

☎ = Make to order, 📦 = Make to stock

Nexans ref.	Name	Nb optical fibres	Type of secondary protection	Nom. outer diam. (mm)
☎ 29641798	FZOHBMU-SD 16x12 SML G652D	192	Loose tube	15.6
☎ 29641198	FZOHBMU-SD 2x6 SML G652D	12	Loose tube	11.0
☎ 29641398	FZOHBMU-SD 4x12 SML G652D	48	Loose tube	11.0
☎ 29641298	FZOHBMU-SD 4x6 SML G652D	24	Loose tube	11.0
☎ 29641598	FZOHBMU-SD 8x12 SML G652D	96	Loose tube	12.4

☎ = Make to order, 📦 = Make to stock

FZOMRMU-SD

Type FZOMRMU-SD is a loose tube fibre optical cable. The cable type is intended for use in regional, urban, area property networks and aerial systems.

Description

FZOMRMU-SD is a loose tube fibre optical cable and intended for outdoor use in ducts or direct buried. The design can incorporate 12-192 fibres in loose tubes. The individually coloured fibres are tubes in groups of 6 or 12, and stranded onto a central dielectric fibre reinforced strength member (FRP). The cable type is longitudinal water-blocked through the use of a swellable tape. An inner sheath of polyethylene is covered with non metallic buffering layer. The cable has an outer sheath of halogen- free black polyethylene.

Standards

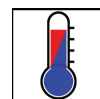
International IEC 60793; IEC 60794; IEC 60794-1; ITU-T Rec. G.650; ITU-T Rec. G.652



Halogen free
Yes



Operating temp. range
-45 .. 70 °C



Ambient installation T°C range
-15 .. 60 °C



Storage temperature, range
-45 .. 70 °C

FZOMRMU-SD

Characteristics

Construction characteristics	
Construction type	Loose Tube
Fiber optic type	SM (G.652D)
Type of secondary protection	Loose tube
Material used for length water tightness	Swellable tape
Inner sheath	Polyethylene
Outer sheath	HDPE
Sheath colour	Black
Halogen free	Yes
Metal free	Yes
Dimensional characteristics	
Number of optical fibres, range	12 .. 192
Usage characteristics	
Installation type	Outdoor - Direct burial
Operating temperature, range	-45 .. 70 °C
Ambient installation temperature, range	-15 .. 60 °C
Storage temperature, range	-45 .. 70 °C

Product List

☎ = Make to order, 📦 = Make to stock

Nexans ref.	Name	Nb optical fibres	Nom. outer diam. (mm)
📦 29643798	FZOMRMU-SD 16x12SML G652D	192	21.0
☎ 29643198	FZOMRMU-SD 2x6 SML G652D	12	16.4
📦 29643298	FZOMRMU-SD 4x6 SML G652D	24	16.4
📦 29643598	FZOMRMU-SD 8x12 SML G652D	96	16.4
📦 29643398	FZOMRMU-SD 8x6 SML G652D	48	16.4

☎ = Make to order, 📦 = Make to stock

FZOMSU-SD (F4)

Type FZOMSU-SD is a loose tube fibre optical cable. The cable type is intended for use in regional, urban, and area property networks.

Description

FZOMSU-SD is a loose tube fibre optical cable and intended for indoor and outdoor use in ducts. The design can incorporate 4-96 fibres in loose tubes. The individually coloured fibres are tubes in groups of max. 12, and stranded onto a central dielectric fibre reinforced strength member (FRP). The cable type is longitudinal waterblocked through the use of swellable tape. The cable has an outer sheath of halogen- free orange, UV protected polyethylene. FZOMSU-SD fulfils the fire propagation requirements stated in IEC 60332-3C.

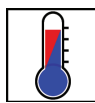


Standards

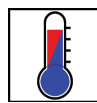
International IEC 60332-1;
 IEC 60332-3 Cat.C; IEC 60793;
 IEC 60794; IEC 60794-1; ITU-
 T Rec. G.650; ITU-T Rec. G.652



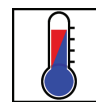
Halogen free
Yes



Operating temp. range
-45 .. 70 °C



Ambient installation T°C
range
-15 .. 60 °C



Storage temperature, range
-45 .. 70 °C



Fire resistant
IEC 60332-3-24

FZOMSU-SD (F4)

Characteristics

Construction characteristics	
Construction type	Loose Tube
Strength member	Central FRP
Fiber optic type	SM (G.652D)
Material used for length water tightness	Swellable tape
Outer sheath	HFFR (Halogene Free Flame Retardant)
Sheath colour	Orange
Halogen free	Yes
Metal free	Yes
Dimensional characteristics	
Number of optical fibres, range	4 .. 96
Mechanical characteristics	
Crush resistance (EN 187 000)	3 kN
Impact resistance (EN 187 000)	15 J
Usage characteristics	
Installation type	Indoor/Outdoor
Operating temperature, range	-45 .. 70 °C
Ambient installation temperature, range	-15 .. 60 °C
Storage temperature, range	-45 .. 70 °C
Fire resistant	IEC 60332-3-24

Product List

☎ = Make to order, 🏭 = Make to stock

Nexans ref.	Name	Nb optical fibres	Type of secondary protection	Nom. outer diam. (mm)
🏭 29636198	FZOMSU-SD 2x6SML G652D (F4)	12	Loose tube	11.0
🏭 29636398	FZOMSU-SD 4x12SML G652D (F4)	48	Loose tube	11.0
🏭 29636298	FZOMSU-SD 4x6SML G652D (F4)	24	Loose tube	11.0
🏭 29636098	FZOMSU-SD 6SML G652D (F4)	6	Loose tube	11.0
🏭 29636498	FZOMSU-SD 6x12SML G652D (F4)	72	Loose tube	11.0
🏭 29636598	FZOMSU-SD 8x12SML G652D (F4)	96	Loose tube	12.4

☎ = Make to order, 🏭 = Make to stock

FZOMU-SD

Type FZOMU-SD is a loose tube fibre optical cable. The cable type is intended for use in regional, urban, and area property networks.

Description

FZOMU-SD is a loose tube fibre optical cable and intended for outdoor use in ducts. The design can incorporate 6 -288 fibres in loose tubes (2.25mm). The individually coloured fibres are tubed in groups of 6 or 12, and stranded onto a central dielectric fibre reinforced strength member (FRP 2.4mm). The cable type is longitudinal waterblocked through the use of swellable tape. The cable has an outer sheath of halogen- free black polyethylene.

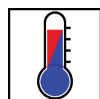


Standards

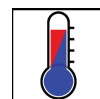
International EN 187000;
 IEC 60793; IEC 60794; IEC 60794-1;
 ITU-T Rec. G.650; ITU-T Rec. G.652



Halogen free
 Yes



Operating temp. range
 -45 .. 70 °C



Ambient installation T°C range
 -15 .. 60 °C





Storage temperature, range
 -45 .. 70 °C






FZOMU-SD



Characteristics

Construction characteristics	
Construction type	Loose Tube
Strength member	Central FRP
Fiber optic type	SM (G.652D)
Type of secondary protection	Loose tube
Material used for length water tightness	Swellable tape
Outer sheath	HDPE
Sheath colour	Black
Halogen free	Yes
Metal free	Yes
Dimensional characteristics	
Number of optical fibres, range	6 .. 288
Usage characteristics	
Installation type	Outdoor - Duct
Operating temperature, range	-45 .. 70 °C
Ambient installation temperature, range	-15 .. 60 °C
Storage temperature, range	-45 .. 70 °C

Product List

 = Make to order,  = Make to stock

Nexans ref.	Name	Nb optical fibres	Nom. outer diam. (mm)
 29640798	FZOMU-SD 16x12 SML G652D	192	15.0
 29640198	FZOMU-SD 2x6 SML G652D	12	10.4
 29640398	FZOMU-SD 4x12 SML G652D	48	10.4
 29640298	FZOMU-SD 4x6 SML G652D	24	10.4
 29640598	FZOMU-SD 8x12 SML G652D	96	11.8

 = Make to order,  = Make to stock

FZOMVDMU-SD

Type FZOMVDMU-SD is a loose tube fibre optical cable. The cable type is intended for use in regional, urban, and area property networks.

Description

FZOVDMU-SD is a loose tube fibre optical cable and intended for outdoor use in ducts or direct buried. The design can incorporate 12-192 fibres in loose tubes. The individually coloured fibres are tubes in groups of 6 or 12, and stranded onto a central dielectric fibre reinforced strength member (FRP). The cable type is longitudinal water-blocked through the use of a swellable tape. Plastic coated corrugated steel tape is used for rodent and mechanical protection. The cable has an outer sheath of halogen-free black polyethylene.



Standards

International IEC 60793; IEC 60794; IEC 60794-1; ITU-T Rec. G.650; ITU-T Rec. G.652



Halogen free
Yes



Operating temp. range
-45 .. 70 °C



Ambient installation T°C
range
-15 .. 60 °C



Storage temperature, range
-45 .. 70 °C



Fire retardant
No

FZOMVDMU-SD

Characteristics

Construction characteristics	
Construction type	Loose tube, SZ
Strength member	Central FRP
Fiber optic type	SM (G.652D)
Material used for length water tightness	Swellable tape
Armour type	Corrugated steel
Outer sheath	HDPE
Sheath colour	Black
Halogen free	Yes
Metal free	No
Length water tightness Tube	Jelly
Dimensional characteristics	
Nominal outer sheath thickness	2.0 mm
Mechanical characteristics	
Crush resistance (EN 187 000)	5 kN
Maximum pulling force by laying	3.5 kN
Maximum permanent tensile load	1.5 kN
Usage characteristics	
Installation type	Outdoor - Direct burial
Operating temperature, range	-45 .. 70 °C
Ambient installation temperature, range	-15 .. 60 °C
Storage temperature, range	-45 .. 70 °C
Fire retardant	No
Rodent protection	corrugated steeltape

Product List

☎ = Make to order, 📦 = Make to stock

Nexans ref.	Name	Number of optical fibres, range	Nb optical fibres	Type of secondary protection
📦 29642798	FZOMVDMU-SD 16x12 SML G652D	12 .. 384	192	Loose tube
📦 29642198	FZOMVDMU-SD 2x6 SML G652D	12 .. 384	12	Loose tube
📦 29642398	FZOMVDMU-SD 48SM G652D	12 .. 384		Loose tube
📦 29642298	FZOMVDMU-SD 4x6 SML G652D	12 .. 384	24	Loose tube
📦 29642598	FZOMVDMU-SD 8x12 SML G652D	12 .. 384	96	Loose tube
📦 29642398	FZOMVDMU-SD 8x6 SML G652D	12 .. 384	48	Loose tube

☎ = Make to order, 📦 = Make to stock

FZOVDMU-SD

Type FZOVDMU-SD is a loose tube fibre optical cable. The cable type is intended for use in regional, urban, and area property networks.

Description

FZOVDMU-SD is a loose tube fiber optical cable and intended for outdoor use in ducts or direct buried. The design can incorporate 12-192 fibers in loose tubes. The individually colored fibers are tube in groups of 6 or 12, and stranded onto a central dielectric fiber reinforced strength member (FRP). The cable type is longitudinal water-blocked through use of a swellable tape. Plastic coated corrugated steel tape is used for rodent and mechanical protection. The cable has an outer sheath of halogen-free black polyethylene.



Standards

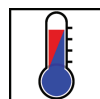
International IEC 60793; IEC 60794;
 IEC 60794-1; ITU-T Rec. G.650; ITU-T Rec. G.652



Halogen free
Yes



Ambient installation T °C
range
-15 .. 60 °C



Operating temp. range
-45 .. 70 °C



Storage temperature, range
-45 .. 70 °C





Fire retardant
No






FZOVD MU-SD



Characteristics

Construction characteristics	
Construction type	Loose tube, SZ
Reinforcement members material type	Fiber glass
Strength member	Central FRP
Fiber optic type	SM (G.652D)
Type of secondary protection	Loose tube
Material used for length water tightness	Swellable tape
Armour type	Corrugated steel
Outer sheath	PE
Sheath colour	Black
Halogen free	Yes
Metal free	No
Length water tightness Tube	Jelly
Number of tube layer 2	14
Number of tube layer 1	8
Dimensional characteristics	
Number of optical fibres, range	12 .. 192
Nominal outer sheath thickness	1.5 mm
Central strength member size	3.8 mm
Tube diameter	2.3 mm
Usage characteristics	
Installation type	Outdoor - Direct burial
Ambient installation temperature, range	-15 .. 60 °C
Operating temperature, range	-45 .. 70 °C
Storage temperature, range	-45 .. 70 °C
Fire retardant	No

Product List

 = Make to order,  = Make to stock

Nexans ref.	Name	Nb optical fibres	Nom. outer diam. (mm)	Approx. weight (kg/km)
 29622798	FZOVD MU-SD 16x12 SML G652D	192	17.9	280
 29622198	FZOVD MU-SD 2x6 SML G652D	12	13.1	170
 29622298	FZOVD MU-SD 4x6 SML G652D	24	13.1	170
 29622698	FZOVD MU-SD 8x12 SML G652D	96	13.1	170
 29622398	FZOVD MU-SD 8x6 SML G652D	48	13.1	170

 = Make to order,  = Make to stock

Optical Aerial Cable (OAC)

Nexans offers a wide range of optical cables adapted to different installation, for the infrastructure and the distribution. This cable types are intended for use in regional and urban networks in aerial installations.

Specific development can be made on request.

FZOHBMUK-SD W1.57

Type FZOHBMUK-SD is a loose tube fibre optical cable for aerial systems. The cable type is intended for use in regional, urban, area property networks and Aerial systems

Description

FZOHBMUK-SD is a loose tube fibre optical cable and intended for aerial systems. The cable is a self supporting cable in a figure of 8. The design can incorporate 12-96 fibres in loose tubes. The individually coloured fibres are tubes in groups of max. 12, and stranded onto a central dielectric fibre reinforced strength member (FRP). The cable type is longitudinal waterblocked through the use of swellable tape. Polyethylene coated aluminium tape is used for rodent protection, moisture barrier and mechanical protection. The cable has an outer sheath of halogen- free black polyethylene.

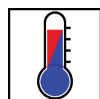


Standards

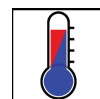
International IEC 60793; IEC 60794;
 IEC 60794-1; ITU-T Rec. G.650; ITU-T Rec. G.652



Halogen free
 Yes



Operating temp. range
 -45 .. 70 °C



Ambient installation T°C range
 -15 .. 60 °C



Storage temperature, range
 -45 .. 70 °C

FZOHBMUK-SD W1.57

Characteristics

Construction characteristics	
Construction type	Loose Tube
Strength member	Central FRP
Fiber optic type	SM (G.652D)
Type of secondary protection	Loose tube
Material used for length water tightness	Swellable tape
Outer sheath	PE
Sheath colour	Black
Suspension wire	Steel wire
Halogen free	Yes
Metal free	No
Dimensional characteristics	
Number of optical fibres, range	12 .. 96
Wire diameter	1.57 mm
Total number of wires	7
Usage characteristics	
Installation type	Aerial - self-supporting
Operating temperature, range	-45 .. 70 °C
Ambient installation temperature, range	-15 .. 60 °C
Storage temperature, range	-45 .. 70 °C

Product List

Nexans ref.	Name	Nb optical fibres
 29646198	FZOHBMUK-SD W1.57 12SM G652D	12
 29646298	FZOHBMUK-SD W1.57 24SM G652D	24
 29646398	FZOHBMUK-SD W1.57 48SM G652D	48
 29646598	FZOHBMUK-SD W1.57 96SM G652D	96

 = Make to order,  = Make to stock

FZOHBMUK-SD W2.12

Type FZOHBMUK-SD is a loose tube fibre optical cable for aerial systems. The cable type is intended for use in regional, urban, area property networks and Aerial systems

Description

FZOHBMUK-SD is a loose tube fibre optical cable and intended for aerial systems. The cable is a self supporting cable in a figure of 8. The design can incorporate 12-96 fibres in loose tubes. The individually coloured fibres are tubes in groups of max. 12, and stranded onto a central dielectric fibre reinforced strength member (FRP). The cable type is longitudinal waterblocked through the use of swellable tape. Polyethylene coated aluminium tape is used for rodent protection, moisture barrier and mechanical protection. The cable has an outer sheath of halogen- free black polyethylene.



Standards

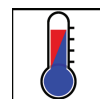
International IEC 60793; IEC 60794;
 IEC 60794-1; ITU-T Rec. G.650; ITU-T Rec. G.652



Halogen free
Yes



Operating temp. range
-45 .. 70 °C



Ambient installation T°C range
-15 .. 60 °C







Storage temperature, range
-45 .. 70 °C



FZOHBMUK-SD W2.12

Characteristics

Construction characteristics	
Construction type	Loose Tube
Strength member	Central FRP
Fiber optic type	SM (G.652D)
Type of secondary protection	Loose tube
Material used for length water tightness	Swellable tape
Outer sheath	PE
Sheath colour	Black
Suspension wire	Steel wire
Halogen free	Yes
Metal free	No
Dimensional characteristics	
Number of optical fibres, range	12 .. 96
Wire diameter	2.12 mm
Total number of wires	7
Usage characteristics	
Installation type	Aerial - self-supporting
Operating temperature, range	-45 .. 70 °C
Ambient installation temperature, range	-15 .. 60 °C
Storage temperature, range	-45 .. 70 °C

Product List

Nexans ref.	Name	Nb optical fibres
 29648198	FZOHBMUK-SD W2.12 12SM G652D	12
 29648298	FZOHBMUK-SD W2.12 24SM G652D	24
 29648398	FZOHBMUK-SD W2.12 48SM G652D	48
 29648598	FZOHBMUK-SD W2.12 96SM G652D	96

 = Make to order,  = Make to stock

Contact

Telecom and Data cables
 Phone: 040 5505 485
 telecomcable-pc.se@nexans.com

FZOMUK-SD W1.57

Type FZOMUK-SD is a loose tube fibre optical cable for aerial systems. The cable type is intended for use in regional, urban, area property networks and Aerial systems

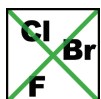
Description

FZOMUK-SD is a loose tube fibre optical cable and intended for aerial systems. The cable is a self supporting cable in a figure of 8. The design can incorporate 12-96 fibres in loose tubes. The individually coloured fibres are tubes in groups of max. 12, and stranded onto a central dielectric fibre reinforced strength member (FRP). The cable type is longitudinal waterblocked through the use of swellable tape. The cable has an outer sheath of halogen- free black polyethylene.



Standards

International IEC 60793; IEC 60794; IEC 60794-1; ITU-T Rec. G.650; ITU-T Rec. G.652



Halogen free
Yes



Operating temp. range
-45 .. 70 °C



Ambient installation T°C range
-15 .. 60 °C



Storage temperature, range
-45 .. 70 °C

FZOMUK-SD W1.57

Characteristics

Construction characteristics	
Construction type	Loose Tube
Strength member	Central FRP
Fiber optic type	SM (G.652D)
Type of secondary protection	Loose tube
Material used for length water tightness	Swellable tape
Outer sheath	PE
Sheath colour	Black
Suspension wire	Steel wire
Halogen free	Yes
Metal free	No
Dimensional characteristics	
Number of optical fibres, range	12 .. 96
Wire diameter	1.57 mm
Total number of wires	7
Usage characteristics	
Installation type	Aerial - self-supporting
Operating temperature, range	-45 .. 70 °C
Ambient installation temperature, range	-15 .. 60 °C
Storage temperature, range	-45 .. 70 °C

Product List

Nexans ref.	Name	Nb optical fibres
 29645198	FZOMUK-SD W1.57 12SM G652D	12
 29645298	FZOMUK-SD W1.57 24SM G652D	24
 29645398	FZOMUK-SD W1.57 48SM G652D	48
 29645598	FZOMUK-SD W1.57 96SM G652D	96

 = Make to order,  = Make to stock

FZOMUK-SD W2.12

Type FZOMUK-SD is a loose tube fibre optical cable for aerial systems. The cable type is intended for use in regional, urban, area property networks and Aerial systems

Description

FZOMUK-SD is a loose tube fibre optical cable and intended for aerial systems. The cable is a self supporting cable in a figure of 8. The design can incorporate 12-96 fibres in loose tubes. The individually coloured fibres are tubes in groups of max. 12, and stranded onto a central dielectric fibre reinforced strength member (FRP). The cable type is longitudinal waterblocked through the use of swellable tape. The cable has an outer sheath of halogen- free black polyethylene.

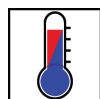


Standards

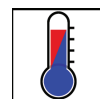
International IEC 60793; IEC 60794;
 IEC 60794-1; ITU-T Rec. G.650; ITU-T Rec. G.652



Halogen free
Yes



Operating temp. range
-45 .. 70 °C



Ambient installation T°C range
-15 .. 60 °C




Storage temperature, range
-45 .. 70 °C

FZOMUK-SD W2.12

Characteristics

Construction characteristics	
Construction type	Loose Tube
Strength member	Central FRP
Fiber optic type	SM (G.652D)
Type of secondary protection	Loose tube
Material used for length water tightness	Swellable tape
Outer sheath	PE
Sheath colour	Black
Suspension wire	Steel wire
Halogen free	Yes
Metal free	No
Dimensional characteristics	
Number of optical fibres, range	12 .. 96
Wire diameter	2.12 mm
Total number of wires	7
Usage characteristics	
Installation type	Aerial - self-supporting
Operating temperature, range	-45 .. 70 °C
Ambient installation temperature, range	-15 .. 60 °C
Storage temperature, range	-45 .. 70 °C

Product List

Nexans ref.	Name	Nb optical fibres
 29647198	FZOMUK-SD W2.12 12SM G652D	12
 29647298	FZOMUK-SD W2.12 24SM G652D	24
 29647398	FZOMUK-SD W2.12 48SM G652D	48
 29647598	FZOMUK-SD W2.12 96SM G652D	96

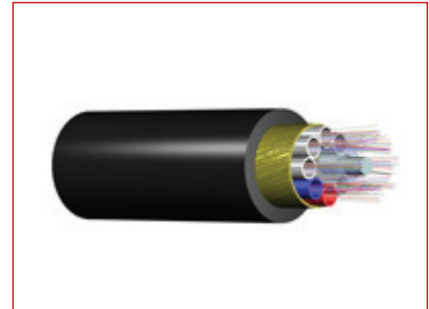
 = Make to order,  = Make to stock

FZORMU SD ADSS

Type FZORMU SD ADSS is a loose tube fibre optical cable. The cable type is intended for use in regional, urban, area property aerial systems.

Description

FZORMU SD ADSS is longitudinally water-blocked and intended for aerial system. The design can incorporate 24 to 288 fibres in loose tubes. The individually coloured fibres are tubed in groups of maximum 12, and stranded onto a central dielectric fibre reinforced strength member (FRP). The cable type is longitudinal water-blocked through the use of polymeric filling compound and swellable material. The cable is reinforced with aramid yarn and sheathed with halogen-free black polyethylene.

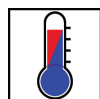


Standards

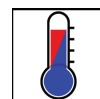
International IEC 60793; IEC 60794;
 ITU-T Rec. G.652



Halogen free
 Yes



Operating temp. range
 -40 .. 70 °C



Ambient installation T°C range
 -10 .. 50 °C





Storage temperature, range
 -40 .. 70 °C






FZORMU SD ADSS



Characteristics

Construction characteristics	
Construction type	Loose Tube
Fiber optic type	SM (G.652D)
Type of secondary protection	Loose tube
Reinforcement members material type	Aramid yarn
Outer sheath	PE
Sheath colour	Black
Halogen free	Yes
Metal free	Yes
Dimensional characteristics	
Number of optical fibres, range	24 .. 288
Mechanical characteristics	
Maximum permanent tensile load	1.5 kN
Usage characteristics	
Operating temperature, range	-40 .. 70 °C
Ambient installation temperature, range	-10 .. 50 °C
Storage temperature, range	-40 .. 70 °C

Product List

 = Make to order,  = Make to stock

Nexans ref.	Name	Nom. outer diam. (mm)	Maximum pulling force by laying (kN)
 29058998	FZORMU SD ADSS 24 SM (G652.D)	11.4	2.5
 29034998	FZORMU SD ADSS 48 SM (G652.D)	11.4	2.5
 29035198	FZORMU SD ADSS 96 SM (G652.D)	11.4	2.5
 29043898	FZORMU SD ADSS 144 SM (G652.D)	14.9	2.5
 29054498	FZORMU SD ADSS 216 SM (G652.D)	14.9	2.5

 = Make to order,  = Make to stock

Selling delivery information

The outer sheath of the cable is marked with cable type, manufacturer, identification number and meter marking. The cable is delivered on wooden recyclable drums in lengths according to arrangement. The drum is marked with the cable type, length, rolling direction and installation information. Cable ends closed with end cap.

Contact

Telecom and Data cables
 Phone: 040 5505 485
 telecomcable-pc.se@nexans.com

FYORMU ADSS

Type FYORMU ADSS is a fibre optical cable with fibres placed in a central polymeric tube. The cable type is intended for use in regional, urban, and area property Aerial System.

Description

The cable type is longitudinally water-blocked and intended for aerial use, span lengths up to 60m iceload B according to EN 50423. The design can incorporate up to 12 fibres in a central tube with water-blocking filling compound. The cable is reinforced with aramid yarn and the cable is sheathed with black halogen-free polyethylene.

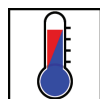


Standards

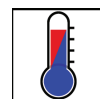
International IEC 60793; IEC 60794;
 ITU-T Rec. G.650; ITU-T Rec. G.652



Halogen free
 Yes



Operating temp. range
 -40 .. 70 °C



Ambient installation T°C range
 -10 .. 50 °C





Storage temperature, range
 -40 .. 70 °C






FYORMU ADSS



Characteristics

Construction characteristics	
Type of secondary protection	Loose tube
Outer sheath	PE
Metal free	Yes
Sheath colour	Black
Material used for length water tightness	Swellable yarn
Halogen free	Yes
Additional strength member	Aramide
Dimensional characteristics	
Number of optical fibres, range	1 .. 12
Average sheath thickness	1.0 mm
Nominal outer diameter	6.5 mm
Approximate weight	34 kg/km
Mechanical characteristics	
Maximum permanent tensile load	1 kN
Crush resistance (EN 187 000)	2 kN
Impact resistance (EN 187 000)	15 J
Usage characteristics	
Installation type	Aerial Cable
Operating temperature, range	-40 .. 70 °C
Ambient installation temperature, range	-10 .. 50 °C
Storage temperature, range	-40 .. 70 °C

Product List

 = Make to order,  = Make to stock

Nexans ref.	Name	Construction type	Fiber optic type
 29060198	FYORMU ADSS 1SM G657A1	Unitube	SM (G657.A1)
 29064298	FYORMU ADSS 2SM G657A1	Unitube	SM (G657.A1)
 29064398	FYORMU ADSS 4SM G657A1	Unitube	SM (G657.A1)
 29064498	FYORMU ADSS 8SM G657A1	Unitube	SM (G657.A1)
 29064598	FYORMU ADSS 12SM G657A1	Unitube	SM (G657.A1)

 = Make to order,  = Make to stock

Selling delivery information

The outer sheath of the cable is marked with cable type, manufacturer, identification number and meter marking. The cable is delivered on wooden recyclable drums in lengths according to arrangement. The drum is marked with the cable type, length, rolling direction and installation information. Cable ends closed with end cap.

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