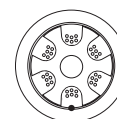


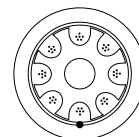
FXMSU



Max
30 fibres



Max
36 fibres



Max
48 fibres

Indoor/outdoor cable

Central element, glass fibre	Ø mm	1,5	2,6	3,3
PP slotted core	Ø mm	6,0	8,0	9,5
Optical fibres	Ø µm	250	250	250
Aramid binding yarn				
Swellable tape, rip cord				
UV-protected and halogen free sheath, colour orange				
Nominal thickness of sheath	mm	1,5	1,6	1,6

Cable characteristics

Tensile strength EN 187000 method 501	N	500	1150	1750
Crush strength / 100 mm (plate) EN 187000 method 504	N	4000	4000	4000
Crush strength / 25 mm (mandrel) EN 187000 method 504	N	650	1000	1000
Impact strength EN 187000 method 505	J	30	30	30
Min bending radius = during installation/final bending	mm	140/100	240/180	260/190
Nominal cable Ø	mm	9,4	11,6	13,1
Cable weight	kg/km	75	120	146
Min installation temperature	°C	-15	-15	-15
Operating temperature range	°C	-45...+70	-45...+70	-45...+70
Longitudinal water tightness	EN 187000 method 605B			
Fire performance	Flame retardant/fire retardant		IEC 60332-1, IEC 60332-3A	
	Halogenity	< 5 mg/g	IEC 60754-1	
	Acidity of combustion gases	pH > 4,3	IEC 60754-2	
	Conductivity of combustion gases	< 10µS/mm	IEC 60754-2	
	Smoke emission density			
	Light transmission	> 60 %	IEC 61034-1;2	

Identification

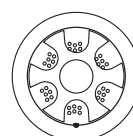
Lot number, cable type, cable size, production month, year, manufacturer's name and meter marking printed on the sheath

Standard cable types:

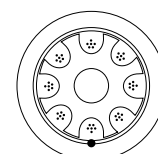
FXMSU 1x6 SML	FXMSU 1x4 GKL/OM3L	FXMSU 1x4 SML + 2x4 GKL/OM3L
FXMSU 2x6 SML	FXMSU 2x4 GKL/OM3L	FXMSU 2x4 SML + 2x4 GKL/OM3L
FXMSU 4x6 SML	FXMSU 3x4 GKL/OM3L	FXMSU 1x6 SML + 3x4 GKL/OM3L
FXMSU 8x6 SML	FXMSU 4x6 GKL/OM3L	FXMSU 2x6 SML + 3x4 GKL/OM3L
	FXMSU 8x6 GKL/OM3L	FXMSU 4x6 SML + 4x6 GKL/OM3L

Other types on request.

FXOMU



Max
36 fibres



Max
48 fibres

Non-metallic duct cable

Central element, glass fibre	Ø mm	3,3	3,3
PP slotted core	Ø mm	8,0	9,5
Optical fibres	Ø µm	250	250
Aramid binding yarn, rip cord			
Water blocking by filling compound and waterswellable tape			
MDPE sheath nominal thickness	mm	1,6 mm	1,6 mm

Cable characteristics

Tensile strength EN 187000 method 501	N	1750	1750
Crush strength / 100 mm (plate) EN 187000 method 504	N	7000	7000
Crush strength / 25 mm (mandrel) EN 187000 method 504	N	1000	1000
Impact strength EN 187000 method 505	J	30	30
Min bending radius = during installation/final bending	mm	240/180	265/200
Nominal cable Ø	mm	11,7	13,2
Cable weight	kg/km	110	136
Min installation temperature	°C	-15	-15
Operating temperature range	°C	-45...+70	-45...+70

Identification

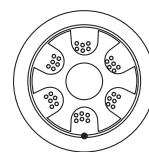
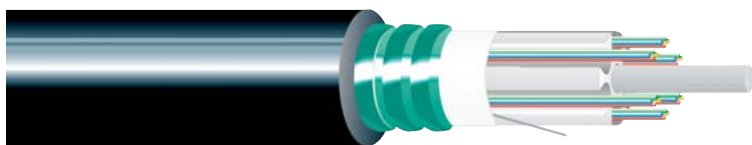
Lot number, cable type, cable size, production month, year, manufacturer's name and meter marking printed on the sheath

Standard cable types:

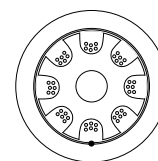
FXOMU 1x6 SML	FXOMU 1x4 GKL/OM3L	FXOMU 1x4 SML + 2x4 GKL/OM3L
FXOMU 2x6 SML	FXOMU 2x4 GKL/OM3L	FXOMU 2x4 SML + 2x4 GKL/OM3L
FXOMU 4x6 SML	FXOMU 3x4 GKL/OM3L	FXOMU 1x6 SML + 3x4 GKL/OM3L
FXOMU 8x6 SML	FXOMU 4x6 GKL/OM3L	FXOMU 2x6 SML + 3x4 GKL/OM3L
	FXOMU 8x6 GKL/OM3L	FXOMU 4x6 SML + 4x6 GKL/OM3L

Other types on request.

FXOVDMU



Max
36 fibres



Max
48 fibres

Direct burial and duct cable

Central element, glass fibre	∅ mm	3,3	3,3
PP slotted core	∅ mm	8,0	9,5
Optical fibres	∅ µm	250	250
Aramid binding yarn, rip cord			
Water blocking by filling compound, waterswellable tape and corrugated steel tape as mechanical protection			
	mm	0,15	0,15
MDPE sheath nominal thickness	mm	1,4	1,4

Cable characteristics:

Tensile strength EN 187000 method 501	N	2500	2500
Crush strength / 100 mm (plate) EN 187000 method 504	N	7000	7000
Crush strength / 25 mm (mandrel) EN 187000 method 504	N	1500	1500
Impact strength EN 187000 method 505	J	50	50
Min bending radius = during installation/final bending	mm	260/200	300/225
Nominal cable ∅	mm	13,1	14,6
Cable weight	kg/km	175	215
Min installation temperature	°C	-15	-15
Operating temperature range	°C	-45...+70	-45...+70

Identification

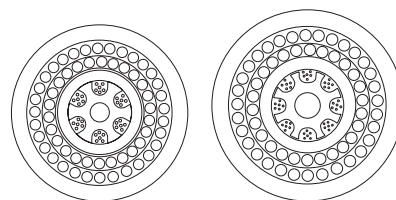
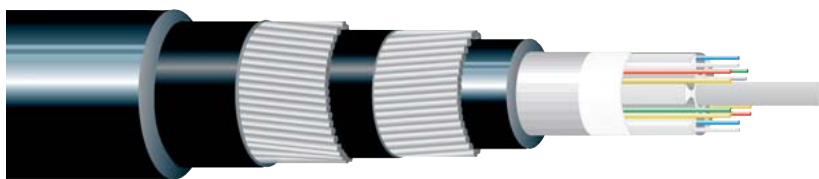
Lot number, cable type, cable size, production month, year, manufacturer's name and meter marking printed on the sheath

Standard cable types:

FXOVDMU 1x6 SML	FXOVDMU 1x4 GKL/OM3L	FXOVDMU 1x4 SML + 2x4 GKL/OM3L
FXOVDMU 2x6 SML	FXOVDMU 2x4 GKL/OM3L	FXOVDMU 2x4 SML + 2x4 GKL/OM3L
FXOVDMU 4x6 SML	FXOVDMU 3x4 GKL/OM3L	FXOVDMU 1x6 SML + 3x4 GKL/OM3L
FXOVDMU 8x6 SML	FXOVDMU 4x6 GKL/OM3L	FXOVDMU 2x6 SML + 3x4 GKL/OM3L
	FXOVDMU 8x6 GKL/OM3L	FXOVDMU 4x6 SML + 4x6 GKL/OM3L

Other types on request.

FXOHBMPPMW



Max
36 fibres

Max
48 fibres

Underwater cable

Central element, glass fibre	∅ mm	2,6	3,3
PP slotted core	∅ mm	8,0	9,5
Optical fibres	∅ μm	250	250
Aramid binding yarn			
Water blocking by filling compound, waterswellable tape and laminated aluminium tape			
PE inner sheath, nominal thickness	mm	1,4 mm	1,4 mm
Armouring wires, bitumen	∅ mm	1,4 mm	1,4 mm
Crape			
Armouring wires, bitumen	∅ mm	1,4 mm	1,4 mm
Crape			
MDPE sheath nom. thickness	mm	1,6 mm	1,6 mm

Cable characteristics

Tensile strength EN 187000 method 501	N	25000	25000
Crush strength / 100 mm (plate) EN 187000 method 504	N	10000	10000
Crush strength / 25 mm (mandrel) EN 187000 method 504	N	2500	2500
Impact strength EN 187000 method 505	J	80	80
Min bending radius = during installation/final bending	mm	440/330	470/350
Nominal cable ∅	mm	22,1	23,6
Cable weight	kg/km	1090	1210
Min installation temperature	°C	-15	-15
Operating temperature range	°C	-45...+70	-45...+70

Identification

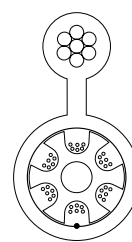
Lot number, cable type, cable size, production month, year, manufacturer's name and meter marking printed on the sheath

Standard cable types:

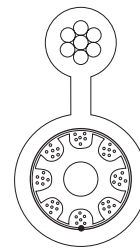
FXOHBMPPMW 1x6 SML	FXOHBMPPMW 5x6 SML
FXOHBMPPMW 2x6 SML	FXOHBMPPMW 7x6 SML
FXOHBMPPMW 3x6 SML	FXOHBMPPMW 8x6 SML
FXOHBMPPMW 4x6 SML	

Other types on request.

FXOMUK



Max
36 fibres



Max
48 fibres

Aerial cable (Maximum span 80 m)

Central element, glass fibre	Ø mm	2,6	2,6
PP slotted core	Ø mm	8,0	8,3
Optical fibres	Ø µm	250	250
Aramid binding yarn, rip cord			
Water blocking by filling compound, waterswellable tape			
Stranded steel wire	mm	7x1,5 7	7x1,5 7
MDPE sheath, nominal thickness	mm	1,4	1,4

Cable characteristics:

Tensile strength EN 187000 method 501	N	8000	8000
Crush strength / 100 mm (plate) EN 187000 method 504	N	4000	4000
Crush strength / 25 mm (mandrel) EN 187000 method 504	N	1000	1000
Impact strength EN 187000 method 505	J	20	50
Min bending radius = during installation/final bending	mm	240/180	240/180
Nominal cable Ø	mm	11,1 x 22,6	11,8 x 23,3
Cable weight	kg/km	230	230
Min installation temperature	°C	-15	-15
Operating temperature range	°C	-45...+70	-45...+70

Identification

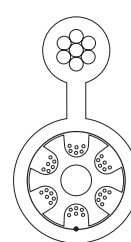
Lot number, cable type, cable size, production month, year, manufacturer's name and meter marking printed on the sheath

Standard cable types:

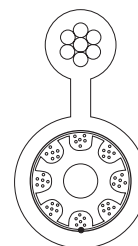
FXOMUK 1x4 GKL/OM3L	FXOMUK 4x6 GKL/OM3L
FXOMUK 2x4 GKL/OM3L	FXOMUK 8x6 GKL/OM3L
FXOMUK 3x4 GKL/OM3L	

Other types on request.

FXOHBMUK



Max
36 fibres



Max
48 fibres

Aerial cable (Maximum span 80 m)

Central element, glass fibre	∅ mm	2,6	3,3
PP slotted core	∅ mm	8,0	9,5
Optical fibres	∅ µm	250	250
Aramid binding yarn, rip cord			
Water blocking by filling compound, waterswellable tape and laminated aluminium tape			

Stranded steel wire	mm	7x1,5 7	7x1,5 7
MDPE sheath, nominal thickness	mm	1,4	1,4

Cable characteristics:

Tensile strength EN 187000 method 501	N	8000	8000
Crush strength / 100 mm (plate) EN 187000 method 504	N	4000	4000
Crush strength / 25 mm (mandrel) EN 187000 method 504	N	1000	1000
Impact strength EN 187000 method 505	J	20	50
Min bending radius = during installation/final bending	mm	240/180	265/200
Nominal cable ∅	mm	11,8 x 23,3	13,3 x 24,7
Cable weight	kg/km	230	230
Min installation temperature	°C	-15	-15
Operating temperature range	°C	-45...+70	-45...+70

Identification

Lot number, cable type, cable size, production month, year, manufacturer's name and meter marking printed on the sheath

Standard cable types:

FXOHBMUK 1x6 SML	FXOHBMUK 4x6 SML
FXOHBMUK 2x6 SML	FXOHBMUK 8x6 SML
FXOHBMUK 3x6 SML	

Other types on request.

FMS



2 mm HF installation cable

Optical fibre Ø 900 µm

SMT 10/125/900 µm
GKT 62,5/125/900 µm
OM3T 50/125/900 µm

Strength member

Halogen free sheath, nominal thickness 0,30 mm

- yellow colour with SMT-fibres
- green colour with GKT-fibres

Cable characteristics:

Tensile strength	100 N	EN 187000 method 501
Crush strength / 100 mm (plate)	1250 N	EN 187000 method 504
Crush strength / 25 mm (mandrel)	100 N	EN 187000 method 504
Impact strength, R=300 mm	15 J	EN 187000 method 505
Min bending radius	40 mm during installation 25 mm in final bending	
Nominal cable Ø	1,95 mm	
Cable weight	3,6 kg/km	
Min installation temperature	-15 °C	
Operating temperature range	-45...+70 °C	
Fire performance	Flame retardant/fire retardant	IEC 60332-1
	Halogenity	< 5 mg/g IEC 60754-1
	Acidity of combustion gases	pH > 4,3 IEC 60754-2
	Conductivity of combustion gases	< 10µS/mm IEC 60754-2
	Smoke emission density	
	Light transmission	> 60 % IEC 61034-1;2

Identification

Lot number, cable type, cable size, production month, year, manufacturer's name and meter marking printed on the sheath

Standard cable types:

FMS 1 SMT (2 mm)

FMS 1 GKT (2 mm)

FMS 1 OM3T (2 mm)

Other types on request.



2 mm HF installation cable

Optical fibre Ø

SMT 10/125/900 µm
GKT 62,5/125/900 µm
OM3T 50/125/900 µm

Strength member

Separation neck

Halogen free sheath nominal thickness 0,30 mm

- yellow colour with SMT-fibres

- green colour with GKT and OM3T-fibres

Cable characteristics:

Tensile strength	100 / 200 N	EN 187000 method 501
Crush strength / 100 mm (plate)	1250 N	EN 187000 method 504
Crush strength / 25 mm (mandrel)	100 N	EN 187000 method 504
Impact strength, R=300 mm	15 J	EN 187000 method 505
Min bending radius	40 mm during installation, 25 mm in final bending	
Nominal cable Ø	1,95/1,95 x 4,0 mm mm	
Cable weight	3,6/7,2 kg/km	
Min installation temperature	-15 °C	
Operating temperature range	-45...+70 °C	
Fire performance	Flame retardant/fire retardant	IEC 60332-1
	Halogenity	< 5 mg/g IEC 60754-1
	Acidity of combustion gases	pH > 4,3 IEC 60754-2
	Conductivity of combustion gases	< 10µS/mm IEC 60754-2
	Smoke emission density	
	Light transmission	> 60 % IEC 61034-1;2

Identification

Lot number, cable type, cable size, production month, year, manufacturer's name and meter marking printed on the sheath

Standard cable types:

FMS 1 SMT (2 mm)
FMS 2 SMT (2 mm)

FMS 1 GKT (2 mm)
FMS 2 GKT (2 mm)

FMS 1 OM3T (2 mm)
FMS 2 OM3T (2 mm)

Other types on request.

FMS



2,9 mm HF installation cable

Optical fibre Ø	SMT 10/125/900 µm
	GKT 62,5/125/900 µm
	OM3T 50/125/900 µm

Strength member

Halogen free sheath, nominal thickness 0,6 mm

- yellow colour with SMT-fibres

- green colour with GKT and OM3T-fibres

Cable characteristics:

Tensile strength	175 N	EN 187000 method 501
Crush strength / 100 mm (plate)	1250 N	EN 187000 method 504
Crush strength / 25 mm (mandrel)	100 N	EN 187000 method 504
Impact strength, R=300 mm	20 J	EN 187000 method 505
Min bending radius	40 mm during installation 25 mm in final bending	
Nominal cable Ø	2,9 mm	
Cable weight	8,2 kg/km	
Min installation temperature	-15 °C	
Operating temperature range	-45...+70 °C	
Fire performance	Flame retardant/fire retardant	IEC 60332-1
	Halogenity	< 5 mg/g IEC 60754-1
	Acidity of combustion gases	pH > 4,3 IEC 60754-2
	Conductivity of combustion gases	< 10µS/mm IEC 60754-2
	Smoke emission density	
	Light transmission	> 60 % IEC 61034-1;2

Identification

Lot number, cable type, cable size, production month, year, manufacturer's name and meter marking printed on the sheath

Standard cable types:

FMS 1 SMT (2,9 mm)

FMS 1 GKT (2,9 mm)

FMS 1 OM3T (2,9 mm)

Other types on request.



2,9 mm HF installation cable

Optical fibre ∅ SMT 10/125/900 µm
 GKT 62,5/125/900 µm
 OM3T 50/125/900 µm

Strength member

Halogen free sheath, nominal thickness 0,6 mm

- yellow colour with SMT-fibres
- green colour with GKT and OM3T-fibres

Cable characteristics:

Tensile strength	175/350 N	EN 187000 method 501
Crush strength / 100 mm (plate)	1250 N	EN 187000 method 504
Crush strength / 25 mm (mandrel)	100 N	EN 187000 method 504
Impact strength, R=300 mm	20 J	EN 187000 method 505
Min bending radius	40 mm during installation 25 mm in final bending	
Nominal cable ∅	2,9 x 6,0 mm	
Cable weight	8,2/16,4 kg/km	
Min installation temperature	-15 °C	
Operating temperature range	-45...+70 °C	
Fire performance	Flame retardant/fire retardant	IEC 60332-1
	Halogenity	< 5 mg/g IEC 60754-1
	Acidity of combustion gases	pH > 4,3 IEC 60754-2
	Conductivity of combustion gases	< 10µS/mm IEC 60754-2
	Smoke emission density	
	Light transmission	> 60 % IEC 61034-1;2

Identification

Lot number, cable type, cable size, production month, year, manufacturer's name and meter marking printed on the sheath

Standard cable types:		
FMS 1 SMT (2,9 mm)	FMS 1 GKT (2,9 mm)	FMS 1 OM3T (2,9 mm)
FMS 2 SMT (2,9 mm)	FMS 2 GKT (2,9 mm)	FMS 2 OM3T (2,9 mm)

Other types on request.

FMMS



2 mm duplex installation cable

Optical fibre Ø	SMT 10/125/900 µm
	GKT 62,5/125/900 µm
	OM3T 50/125/900 µm

Strength member

Installation cable FMS 1 (2mm)

Halogen free sheath, nominal thickness 0,30 mm

- yellow colour with SMT-fibres
- green colour with GKT and OM3T-fibres

Halogen free outer sheath, nominal thickness 0,70 mm

- yellow colour with SMT-fibres
- green colour with GKT and OM3T-fibres

Cable characteristics:

Tensile strength	200 N	EN 187000 method 501
Crush strength / 100 mm (plate)	1500 N	EN 187000 method 504
Crush strength / 25 mm (mandrel)	150 N	EN 187000 method 504
Impact strength, R=300 mm	20 J	EN 187000 method 505
Min bending radius	40 mm during installation 25 mm in final bending	
Nominal cable Ø	3,7 x 5,7 mm	
Cable weight	21 kg/km	
Min installation temperature	-15 °C	
Operating temperature range	-20...+70 °C	
Fire performance	Flame retardant/fire retardant	IEC 60332-1
	Halogenity	< 5 mg/g IEC 60754-1
	Acidity of combustion gases	pH > 4,3 IEC 60754-2
	Conductivity of combustion gases	< 10µS/mm IEC 60754-2
	Smoke emission density	
	Light transmission	> 60 % IEC 61034-1;2

Identification

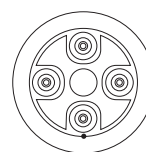
Lot number, cable type, cable size, production month, year, manufacturer's name and meter marking printed on the sheath

Standard cable types:

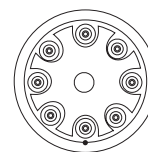
FMMS 2 SMT (2 mm)	FMMS 2 GKT (2 mm)	FMMS 2 OM3T (2 mm)
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Other types on request.

FXMMS



Max
4 fibres



Max
8 fibres

HF-installation cable

Central element, glass fibre	Ø mm	2,0	2,0
PP slotted core	Ø mm	7,5	9,7
Installation cable unit FMS 1 (2 mm)			
Aramid binding yarn			
Fire barrier tape			
Rip cord			
Halogen free sheath, nominal thickness	mm	1,4	1,5
- blue colour with SMT-fibres			
- green colour with GKT and OM3T-fibres			

Cable characteristics

Tensile strength EN 187000 method 501	N	1500	1750
Crush strength / 100 mm (plate) EN 187000 method 504	N	4000	7000
Crush strength / 25 mm (mandrel) EN 187000 method 504	N	750	1000
Impact strength EN 187000 method 505	J	30	30
Min bending radius = during installation/final bending	mm	195/130	265/200
Nominal cable Ø	mm	13,1	13,2
Cable weight	kg/km	142	136
Min installation temperature	°C	-15	-15
Operating temperature range	°C	-45...+70	-45...+70

Identification

Lot number, cable type, cable size, production month, year, manufacturer's name and meter marking printed on the sheath

Standard cable types:

FXMMS 2 SMT (2 mm)	FXMMS 2 GKT (2 mm)	FXMMS 2 OM3T (2 mm)
FXMMS 4 SMT (2 mm)	FXMMS 4 GKT (2 mm)	FXMMS 4 OM3T (2 mm)
FXMMS 6 SMT (2 mm)	FXMMS 6 GKT (2 mm)	FXMMS 6 OM3T (2 mm)
FXMMS 8 SMT (2 mm)	FXMMS 8 GKT (2 mm)	FXMMS 8 OM3T (2 mm)

Other types on request.