

# Fibre-optic cabling solutions

## Overview

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# Overview – Fibre-optic cables

## First choice for industry

Fibre-optic cables are the best option for working in harsh industrial environments, especially if you:

- Need long transmission paths (up to 120 km!)
- Need to take account of EMC issues
- Must ensure electrical isolation in the case of potential differences

### Raw cables

#### Industrial fibre-optic dragline cable



For flexible installations in and around machinery and plants – for harsh, industrial surroundings, dragline cable compatible

- Polymer optic fibre (POF)
- Multimode glass fibre
- Breakout cable
- Zipcord cable
- Cable by the metre for assembling your own connecting cables

### Assembled cables

#### Industrial FO patch cables



...for use in industrial switching cabinets or junction boxes

- Multimode glass fibre
- Zipcord cable

#### Industrial FO adapter cables



...for linking ST and SC connections

- Multimode glass fibre
- Zipcord cable

#### Industrial fibre-optic dragline cable

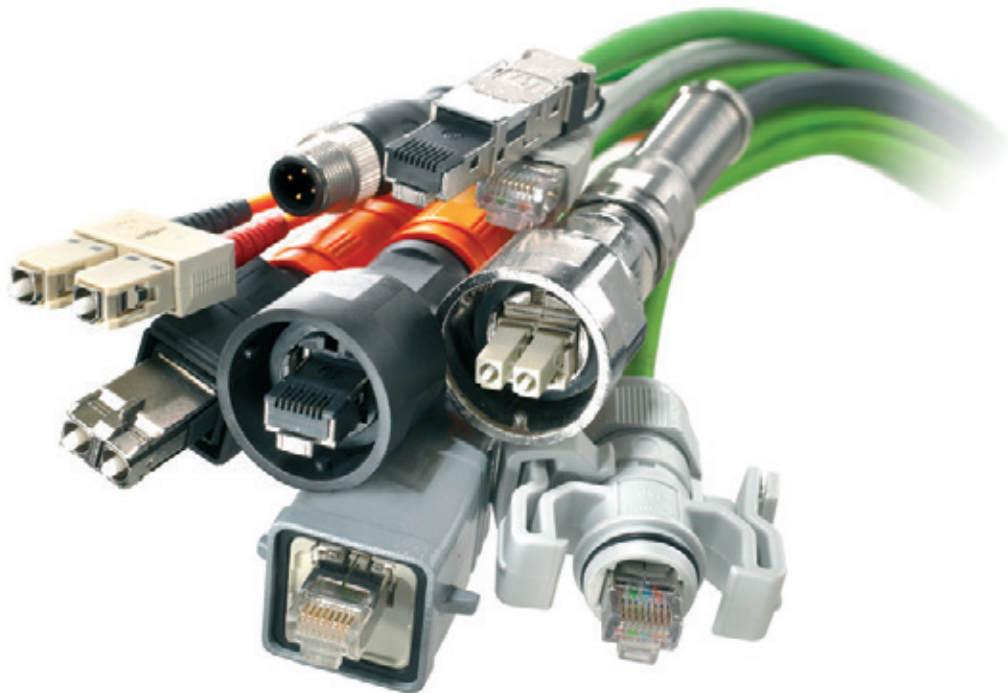


...for flexible installations in and around machinery and plants – for harsh, industrial surroundings, dragline cable compatible

- Multimode fibre-optic
- Breakout cable
- Pre-assembled cable

**Ordering data for Fibre-optic cables (FO), sold by the metre**

Type	Breakout/ Zipcord	Plug-in connector		Length	Metre goods					
		left	right							
<b>GOF dragline, standard temperature range</b>										
IE-FM5D2UE-MW	Breakout	-	-	8946000000						
IE-FM6D2UE-MW	Breakout	-	-	8956060000						
<b>GOF dragline, extended temperature range</b>										
IE-FM5C2UE-MW	Breakout	-	-	8956070000						
IE-FM6C2UE-MW	Breakout	-	-	8956050000						
<b>POF</b>										
IE-FPOZ2EE-MW	Zipcord	-	-	1242820000						
IE-FPOD2UE-MW	Breakout, black	-	-	1172280000						
IE-FPOD2UG-MW	Breakout, green	-	-	1398770000						



# Configurators for fibre-optic cables

## Tailor-made connections

The cable configurator in Weidmüller’s online catalogue makes it possible for you to create a fully-assembled cable adapted to your requirements and specifications.

You then have the choice of configuring a cable which is identical on both ends, or with two different mating profiles, or with one end left open.

A variety of plug types in the following protective classes are available:

**IP 20**

- SCRJ
- ST
- LC Duplex
- SC duplex

**IP 67**

- Variant 1, metal with SC- or LC-Duplex plugs
- Variant 4, plastic with SC- or LC-Duplex plugs
- Additional housing variants to follow shortly.
- Variant 14, metal with SC or LC Duplex plugs



When selecting the cable, the following types are available:

- Zipcord, inner conductor G50 µm/125 µm and G62.5 µm/125 µm with PVC sheath
- Breakout, interior wire G50 µm/125 µm and G62.5 µm/125 µm with PVC sheath
- Breakout dragline cable, inner conductor G50 µm/125 µm and G62.5 µm/125 µm with PUR sheath.
- Zipcord inner conductor POF 980/1000 µm with PE sheathing

The cable length can also be customised:

- From 0.3 m to 9.9 m, in 0.1 m steps
- From 10 m to 9999 m, in 1 m steps

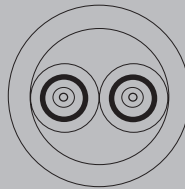
The cable configurator can also automatically create technical data sheets for all of your customised cable variants.

All of your customised cable selections can be sent to Weidmüller using the “request list”. You will then quickly receive a price proposal for the cables from your local Weidmüller representative.

**Raw cables**

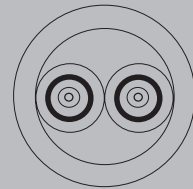
- Multimode glass optical fibre
- Customisable

**Dragline cable**



**Dragline cable**

Extended temperature range



**Technical data**

Product type
Cable layout
Sheath diameter
Material sheath
Sheathing colour
Min. bending radius, repetitive
Min. bending radius, once only
Bending cycles
Ambient temperature (operational)
Installation temperature
Storage temperature
Approvals

**Note**

Dragline cable
Break-out dragline
6 mm
PUR
Black
77 mm
25 mm
100,000
-40 °C...80 °C
-20 °C...60 °C
-40 °C...80 °C

Dragline cable
Break-out dragline
7.5-8 mm
PUR
Black
70 mm
25 mm
100,000
-40 °C...85 °C
-55 °C...60 °C
-55 °C...85 °C

**Ordering data**

<b>Core 62.5 µm, OM1</b>	Cut to metre starting at 50.0 m
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<b>Core 50 µm, OM2</b>	Cut to metre starting at 50.0 m
------------------------	---------------------------------

**Note**

Type	Qty.	Order No.
IE-FM6D2UE-MW		8956060000

IE-FM5D2UE-MW		8946000000
Order example, for cut cable: 150 x „article number“ = 150 m on drum		

Type	Qty.	Order No.
IE-FM6C2UE-MW		8956050000

IE-FM5C2UE-MW		8956070000
Order example, for cut cable: 150 x „article number“ = 150 m on drum		

**Accessories**

Markers
Insertion label, yellow, 12 mm
Insertion label, yellow, 18 mm
Transparent sleeves, 12-mm length
Transparent sleeves, 18-mm length
Wire and cable marker, ø 4.7 - 7.4 mm
Wire and cable marker, ø 5.8 - 7.8 mm

**Tools**

	Crimping pliers GOF LC
	Crimping pliers GOF SC
	Fibre-optic tool case

Type	Qty.	Order No.
TM-I 12 MC NE GE	320	1718411687
TM-I 18 MC NE GE	320	1718431687
TM 4/12 HF/HB	500	1719840000
TM 4/18 HF/HB	500	1719850000
VT SF 5/21 MC NE WS VO	160	1689470001
VT SF 6/21 MC NE WS VO	160	1730560001

IE-CT-LC-GOF	1	9205330000
IE-CT-SC-GOF	1	9205320000
IE-CTC-SCST-GOF	1	1032030000

Type	Qty.	Order No.
TM-I 12 MC NE GE	320	1718411687
TM-I 18 MC NE GE	320	1718431687
TM 4/12 HF/HB	500	1719840000
TM 4/18 HF/HB	500	1719850000
VT SF 5/21 MC NE WS VO	160	1689470001
VT SF 6/21 MC NE WS VO	160	1730560001

IE-CT-LC-GOF	1	9205330000
IE-CT-SC-GOF	1	9205320000
IE-CTC-SCST-GOF	1	1032030000

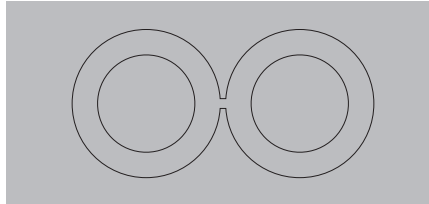
**Note**

Raw cables – FO connection cable / dragline cable

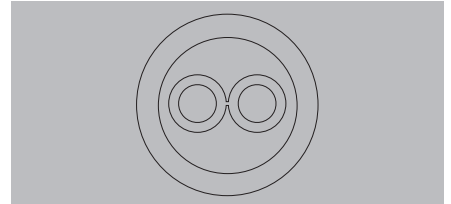
Raw cables

- Polymer optical fibre
- Customisable

Zipcord



Breakout



Technical data

Product type
Cable layout
Sheath diameter
Material sheath
Insulation
Min. bending radius, repetitive
Min. bending radius, once only
Bending cycles
Ambient temperature (operational)
Fibre type
Bandwidth
Attenuation
Core diameter
Installation temperature
Storage temperature
Halogen
Approvals

Connecting cables  
ZIPCORD

2.2\*4.5 mm

PE

25 mm

25 mm

10.000

-55 °C...85 °C

POF

≥ 100 MHz\*km at 650 nm

≤ 160 dB/km at 650 nm

980 µm

-5 °C...50 °C

-55 °C...85 °C

No

Dragline cable

Break-out dragline

7,5 mm

PUR

60 mm

25 mm

100,000

-40 °C...85 °C

POF

> 35 MHz\*100 m at 650 nm

≤ 160 dB/km at 650 nm

980 µm

-30 °C...60 °C

-40 °C...85 °C

No

Note

Ordering data

POF 980/1000 µm

Cut to metre starting at 50.0 m. black  
Cut to metre starting at 50.0 m. green

Note

Type	Qty.	Order No.
IE-FPOZ2EE-MW		1242820000

Order example, for cut cable: 150 x „article number“ = 150 m on drum

Type	Qty.	Order No.
IE-FPOD2UE-MW		1172280000
IE-FPOD2UG-MW		1398770000

Order example, for cut cable: 150 x „article number“ = 150 m on drum

Accessories

Markers

Insertion label. yellow. 12 mm  
Insertion label. yellow. 18 mm  
Transparent sleeves. 12-mm length  
Transparent sleeves. 18-mm length  
Wire and cable marker. ø 4.7 - 7.4 mm  
Wire and cable marker. ø 5.8 - 7.8 mm

Tools

Crimping tool POF  
POF tool set

Type	Qty.	Order No.
TM-I 12 MC NE GE	320	1718411687
TM-I 18 MC NE GE	320	1718431687
TM 4/12 HF/HB	500	1719840000
TM 4/18 HF/HB	500	1719850000
VT SF 5/21 MC NE WS VO	160	1689470001
VT SF 6/21 MC NE WS VO	160	1730560001

HTX-IE-POF	1	1208870000
TOOL SET IE-POF	1	1208930000

Type	Qty.	Order No.
TM-I 12 MC NE GE	320	1718411687
TM-I 18 MC NE GE	320	1718431687
TM 4/12 HF/HB	500	1719840000
TM 4/18 HF/HB	500	1719850000
VT SF 5/21 MC NE WS VO	160	1689470001
VT SF 6/21 MC NE WS VO	160	1730560001

HTX-IE-POF	1	1208870000
TOOL SET IE-POF	1	1208930000

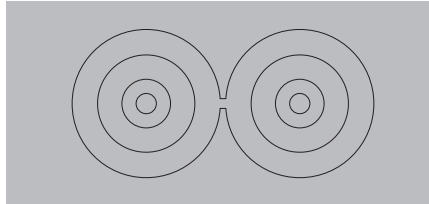
Note

**Assembled cables**

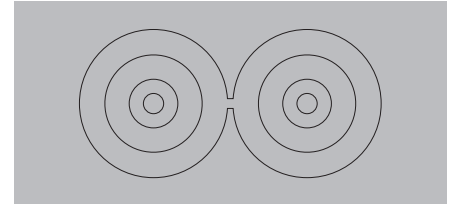
**CabinetLine FO patch cable**

- Multimode glass optical fibre
- LSZH outer cladding

**SC-Duplex / SC-Duplex**



**ST / ST**



**Technical data**

Product type
Cable layout
Sheath diameter
Material sheath
Sheathing colour
Ambient temperature (operational)
Installation temperature
Storage temperature
Approvals

Patch cable, duplex clip included
ZIPCORD
2.8 * 5.7 mm
LSZH
Orange
-20 °C...70 °C

Patch cable
ZIPCORD
2.8 * 5.7 mm
LSZH
Orange
-20 °C...70 °C

**Note**

**Ordering data**

Core 62.5 µm, OM1	
0.5 m	
1.0 m	
2.0 m	
3.0 m	
5.0 m	
10.0 m	

Type	Qty.	Order No.
IE-FM6Z2L00005DSD0SD0-X	1	1433960005
IE-FM6Z2L00001MSD0SD0-X	1	1433960010
IE-FM6Z2L00002MSD0SD0-X	1	1433960020
IE-FM6Z2L00003MSD0SD0-X	1	1433960030
IE-FM6Z2L00005MSD0SD0-X	1	1433960050
IE-FM6Z2L00010MSD0SD0-X	1	1433960100

Type	Qty.	Order No.
IE-FM6Z2L00005DST0ST0-X	1	1433980005
IE-FM6Z2L00001MST0ST0-X	1	1433980010
IE-FM6Z2L00002MST0ST0-X	1	1433980020
IE-FM6Z2L00003MST0ST0-X	1	1433980030
IE-FM6Z2L00005MST0ST0-X	1	1433980050
IE-FM6Z2L00010MST0ST0-X	1	1433980100

Core 50 µm, OM2	
0.5 m	
1.0 m	
2.0 m	
3.0 m	
5.0 m	
10.0 m	

IE-FM5Z2L00005DSD0SD0-X	1	1433970005
IE-FM5Z2L00001MSD0SD0-X	1	1433970010
IE-FM5Z2L00002MSD0SD0-X	1	1433970020
IE-FM5Z2L00003MSD0SD0-X	1	1433970030
IE-FM5Z2L00005MSD0SD0-X	1	1433970050
IE-FM5Z2L00010MSD0SD0-X	1	1433970100

IE-FM5Z2L00005DST0ST0-X	1	1433990005
IE-FM5Z2L00001MST0ST0-X	1	1433990010
IE-FM5Z2L00002MST0ST0-X	1	1433990020
IE-FM5Z2L00003MST0ST0-X	1	1433990030
IE-FM5Z2L00005MST0ST0-X	1	1433990050
IE-FM5Z2L00010MST0ST0-X	1	1433990100

**Note**

**Accessories**

Markers
Wire and cable marker. ø 4.7 - 7.4 mm
Wire and cable marker. ø 5.8 - 7.8 mm

Type	Qty.	Order No.
VT SF 5/21 MC NE WS V0	160	1689470001
VT SF 6/21 MC NE WS V0	160	1730560001

Type	Qty.	Order No.
VT SF 5/21 MC NE WS V0	160	1689470001
VT SF 6/21 MC NE WS V0	160	1730560001

**Note**



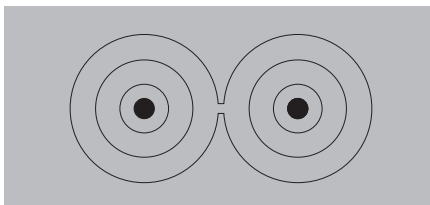


**Assembled cables**

**CabinetLine FO patch cable**

- Singlemode glass optical fibre
- LSZH outer cladding

**LC-Duplex / LC-Duplex**



**Technical data**

Product type
Cable layout
Sheath diameter
Material sheath
Sheathing colour
Ambient temperature (operational)
Installation temperature
Storage temperature
Approvals
<b>Note</b>

Patch cable, duplex clip included
ZIPCORD
2.0 * 4.1 mm
LSZH
Yellow
-20 °C...70 °C
<b>Note</b>

**Ordering data**

<b>Core 9 µm. OS2</b>
0.5 m
1.0 m
2.0 m
3.0 m
5.0 m
10.0 m
<b>Note</b>

Type	Qty.	Order No.
IE-FSMZ2LY0005DLDO-X	1	1433950005
IE-FSMZ2LY0001MLDO-X	1	1433950010
IE-FSMZ2LY0002MLDO-X	1	1433950020
IE-FSMZ2LY0003MLDO-X	1	1433950030
IE-FSMZ2LY0005MLDO-X	1	1433950050
IE-FSMZ2LY0010MLDO-X	1	1433950100

**Accessories**

<b>Markers</b>
Wire and cable marker. ø 4.7 - 7.4 mm
Wire and cable marker. ø 5.8 - 7.8 mm

Type	Qty.	Order No.
VT SF 5/21 MC NE WS V0	160	1689470001
VT SF 6/21 MC NE WS V0	160	1730560001

<b>Note</b>
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**Assembled cables - FO patch cable**

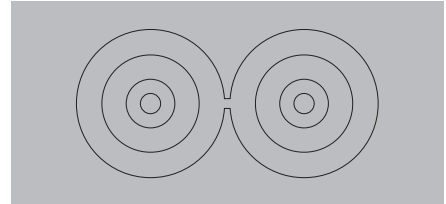
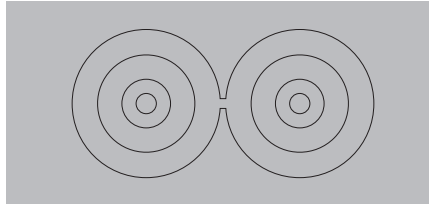
**Assembled cable**

**FO patch cable**

- Multimode glass optical fibre
- PVC outer cladding

**SC-Duplex / SC-Duplex**

**ST / ST**



**Technical data**

Product type  
 Cable layout  
 Sheath diameter  
 Material sheath  
 Sheathing colour  
 Ambient temperature (operational)  
 Installation temperature  
 Storage temperature  
 Approvals

Pre-assembled patch cable, crossover  
 ZIPCORD  
 3\*6 mm  
 PVC  
 Orange  
 -5 °C...75 °C  
 -5 °C...50 °C  
 -25 °C...75 °C

Patch cable  
 ZIPCORD  
 3\*6 mm  
 PVC  
 Orange  
 -5 °C...75 °C  
 -5 °C...50 °C  
 -25 °C...75 °C

**Note**

**Ordering data**

Core 50 µm, OM2	
1.0 m	
2.0 m	
3.0 m	
5.0 m	
10.0 m	
Core 62.5 µm, OM1	
1.0 m	
2.0 m	
3.0 m	
5.0 m	
10.0 m	

Type	Qty.	Order No.
IE-FM5Z2V00001MSDOSDOX	1	8813300000
IE-FM5Z2V00002MSDOSDOX	1	8813310000
IE-FM5Z2V00003MSDOSDOX	1	8813320000
IE-FM5Z2V00005MSDOSDOX	1	8876350050
IE-FM5Z2V00010MSDOSDOX	1	8876350100
IE-FM6Z2V00001MSDOSDOX	1	8813330000
IE-FM6Z2V00002MSDOSDOX	1	8813340000
IE-FM6Z2V00003MSDOSDOX	1	8813350000
IE-FM6Z2V00005MSDOSDOX	1	8876360050
IE-FM6Z2V00010MSDOSDOX	1	8876360100

Type	Qty.	Order No.
IE-FM5Z2V00005MSTOSTOX	1	8876370050
IE-FM5Z2V00010MSTOSTOX	1	8876370100
IE-FM6Z2V00001MSTOSTOX	1	8813270000
IE-FM6Z2V00002MSTOSTOX	1	8813280000
IE-FM6Z2V00003MSTOSTOX	1	8813290000
IE-FM6Z2V00005MSTOSTOX	1	8876380050
IE-FM6Z2V00010MSTOSTOX	1	8876380100

**Note**

**Accessories**

Markers
Wire and cable marker. ø 4.7 - 7.4 mm
Wire and cable marker. ø 5.8 - 7.8 mm

Type	Qty.	Order No.
VT SF 5/21 MC NE WS V0	160	1689470001
VT SF 6/21 MC NE WS V0	160	1730560001

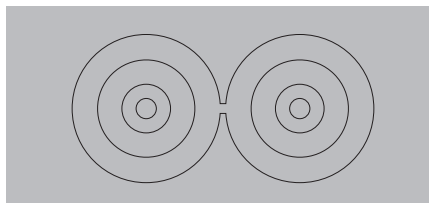
Type	Qty.	Order No.
VT SF 5/21 MC NE WS V0	160	1689470001
VT SF 6/21 MC NE WS V0	160	1730560001

**Note**

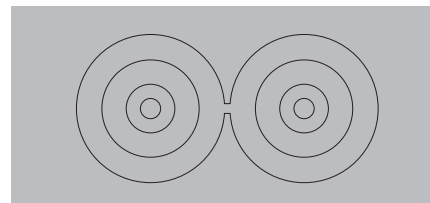
**Assembled cable**  
**FO patch cable**

- Multimode glass optical fibre
- PVC outer cladding

**ST / SC-Duplex**



**LC-Duplex / LC-Duplex**



**Technical data**

Product type
Cable layout
Sheath diameter
Material sheath
Sheathing colour
Ambient temperature (operational)
Installation temperature
Storage temperature
Approvals
Note

Pre-assembled patch cable, crossover
ZIPCORD
3*6 mm
PVC
Orange
-5 °C...75 °C
-5 °C...50 °C
-25 °C...75 °C
Note

Pre-assembled patch cable, crossover
ZIPCORD
3*6 mm
PVC
Orange
-5 °C...75 °C
-5 °C...50 °C
-25 °C...75 °C
Note

**Ordering data**

<b>Core 62.5 µm, OM1</b>	1.0 m
	2.0 m
<b>Core 50 µm, OM2</b>	1.0 m
	2.0 m
	5.0 m
	10.0 m
Note	

Type	Qty.	Order No.
IE-FM6Z2V00002MSTOSDOX	1	8813400000
IE-FM5Z2V00002MSTOSDOX	1	8813390000
Note		

Type	Qty.	Order No.
IE-FM6Z2V00001MLDOLD0X	1	1296450000
IE-FM5Z2V00001MLDOLD0X	1	1276880000
IE-FM5Z2V00002MLDOLD0X	1	1062570000
IE-FM5Z2V00005MLDOLD0X	1	1062550000
IE-FM5Z2V00010MLDOLD0X	1	1062580000
Note		

**Accessories**

<b>Markers</b>
Wire and cable marker. ø 4.7 - 7.4 mm
Wire and cable marker. ø 5.8 - 7.8 mm

Type	Qty.	Order No.
VT SF 5/21 MC NE WS V0	160	1689470001
VT SF 6/21 MC NE WS V0	160	1730560001
Note		

Type	Qty.	Order No.
VT SF 5/21 MC NE WS V0	160	1689470001
VT SF 6/21 MC NE WS V0	160	1730560001
Note		

Note
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Note
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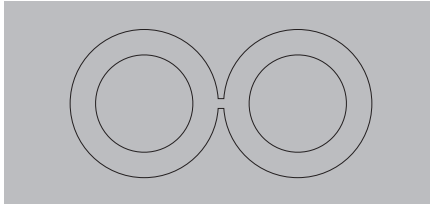
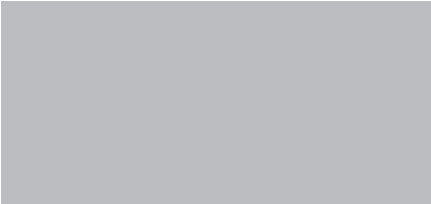
Note
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**Assembled cables - FO PROFINET cable**

**Assembled cable  
FO patch cable PROFINET**

- Polymer optical fibre

**SC-RJ / SC-RJ**



**Technical data**

Product type
Version connector left / Version connector right
Cable layout
Sheath diameter
Insulation
Sheathing colour
Fibre type
Core diameter
Ambient temperature (operational)
Attenuation
Insertion loss
Bandwidth
Halogen
Approvals

Connecting cables
SCRJ IP 20 / SCRJ IP 20
ZIPCORD
2.2*4.5 mm
PE
Black
POF
980 µm
-20 °C...80 °C
≤ 160 dB/km at 650 nm
≤ 1.0 dB
≥ 100 MHz*km at 650 nm
No

**Note**

**Note**

**Ordering data**

POF 980/1000 µm	
1.0 m	
3.0 m	
5.0 m	
10.0 m	
20.0 m	

Type	Qty.	Order No.
IE-FPOZ2EE0001MSJOSJO-X	1	1273430010
IE-FPOZ2EE0003MSJOSJO-X	1	1273430030
IE-FPOZ2EE0005MSJOSJO-X	1	1273430050
IE-FPOZ2EE0010MSJOSJO-X	1	1273430100
IE-FPOZ2EE0020MSJOSJO-X	1	1273430200

**Note**

**Note**

**Accessories**

Markers	
Wire and cable marker. ø 4.7 - 7.4 mm	
Wire and cable marker. ø 5.8 - 7.8 mm	

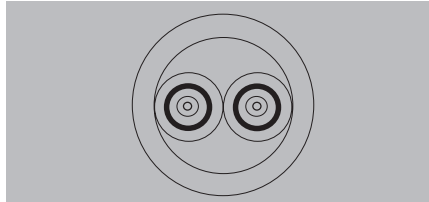
Type	Qty.	Order No.
VT SF 5/21 MC NE WS V0	160	1689470001
VT SF 6/21 MC NE WS V0	160	1730560001

**Note**

**Note**

**Assembled cables****FO dragline cable**

- Multimode glass optical fibre

**LC-Duplex / LC-Duplex****Technical data**

Product type  
Version connector left / Version connector right  
Cable layout  
Sheath diameter  
Material sheath  
Sheathing colour  
Ambient temperature (operational)  
Installation temperature  
Storage temperature  
Approvals

**Note**

Dragline cable  
LC-Duplex IP 20 / LC-Duplex IP 20  
Break-out dragline  
6 mm  
PUR  
Black  
-40 °C...80 °C  
-20 °C...60 °C  
-40 °C...80 °C

**Ordering data**

Core 62.5 µm, OM1	
	5.0 m
	20.0 m
	50.0 m
Core 50 µm, OM2	
	10.0 m
	50.0 m
	100.0 m

**Note**

Type	Qty.	Order No.
IE-FM6D2UE0005MLDOLDX	1	1220930000
IE-FM6D2UE0020MLDOLDX	1	1174830000
IE-FM6D2UE0050MLDOLDX	1	8993220000
IE-FM5D2UE0010MLDOLDX	1	8979020000
IE-FM5D2UE0050MLDOLDX	1	8979040000
IE-FM5D2UE0100MLDOLDX	1	8979030000

**Accessories**

Markers	
	Wire and cable marker. ø 4.7 - 7.4 mm
	Wire and cable marker. ø 5.8 - 7.8 mm

Type	Qty.	Order No.
VT SF 5/21 MC NE WS V0	160	1689470001
VT SF 6/21 MC NE WS V0	160	1730560001

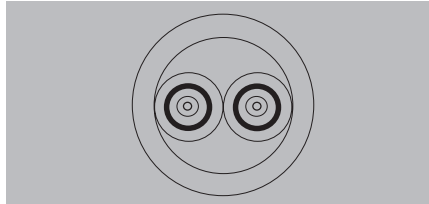
**Note**

**Assembled cables - FO dragline cable**

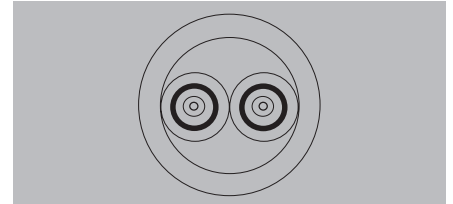
**Assembled cable  
FO dragline cable**

- Multimode glass optical fibre

**SC-Duplex / SC-Duplex**



**ST / ST**



**Technical data**

Product type  
Cable layout  
Sheath diameter  
Material sheath  
Sheathing colour  
Ambient temperature (operational)  
Installation temperature  
Storage temperature  
Approvals

**Note**

Dragline cable  
Break-out dragline  
6 mm  
PUR  
Black  
-40 °C...80 °C  
-20 °C...60 °C  
-40 °C...80 °C

Dragline cable  
Break-out dragline  
6 mm  
PUR  
Black  
-40 °C...80 °C  
-20 °C...60 °C  
-40 °C...80 °C

**Ordering data**

Core 62.5 µm, OM1	
1.0 m	
3.0 m	
5.0 m	
10.0 m	
100.0 m	
Core 50 µm, OM2	
1.0 m	
3.0 m	
5.0 m	
10.0 m	
50.0 m	
100.0 m	

**Note**

Type	Qty.	Order No.
IE-FM6D2UE0001MSDOSDOX	1	8876440010
IE-FM6D2UE0003MSDOSDOX	1	8876440030
IE-FM6D2UE0005MSDOSDOX	1	8876440050
IE-FM6D2UE0010MSDOSDOX	1	8876440100
IE-FM5D2UE0001MSDOSDOX	1	8876430010
IE-FM5D2UE0003MSDOSDOX	1	8876430030
IE-FM5D2UE0005MSDOSDOX	1	8876430050
IE-FM5D2UE0010MSDOSDOX	1	8876430100
IE-FM5D2UE0100MSDOSDOX	1	8876431000

Type	Qty.	Order No.
IE-FM6D2UE0001MSTOSTOX	1	8876460010
IE-FM6D2UE0003MSTOSTOX	1	8876460030
IE-FM6D2UE0005MSTOSTOX	1	8876460050
IE-FM6D2UE0010MSTOSTOX	1	8876460100
IE-FM5D2UE0001MSTOSTOX	1	8876450010
IE-FM5D2UE0003MSTOSTOX	1	8876450030
IE-FM5D2UE0005MSTOSTOX	1	8876450050
IE-FM5D2UE0010MSTOSTOX	1	8876450100
IE-FM5D2UE0050MSTOSTOX	1	8876450500
IE-FM5D2UE0100MSTOSTOX	1	8876451000

**Accessories**

Markers	
Wire and cable marker. ø 4.7 - 7.4 mm	
Wire and cable marker. ø 5.8 - 7.8 mm	

Type	Qty.	Order No.
VT SF 5/21 MC NE WS V0	160	1689470001
VT SF 6/21 MC NE WS V0	160	1730560001

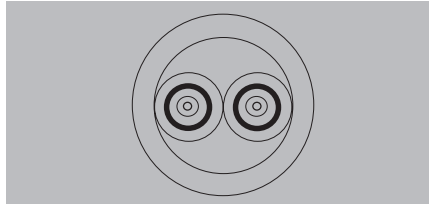
Type	Qty.	Order No.
VT SF 5/21 MC NE WS V0	160	1689470001
VT SF 6/21 MC NE WS V0	160	1730560001

**Note**

**Assembled cables**  
**FO dragline cable with extended**  
**temperature range**

- Multimode glass optical fibre

**SC-Duplex IP 67**



**Technical data**

Product type
Cable layout
Version connector left / Version connector right
Sheath diameter
Material sheath
Sheathing colour
Fibre type
Bandwidth
Attenuation
Ambient temperature (operational)
Installation temperature
Storage temperature
Approvals

Dragline cable
Break-out dragline
SC IP 67 bayonet V01 metal / SC IP 67 bayonet V01 metal
7.5-8 mm
PUR
Black
GOF, Multimode, OM1
200 MHz*km at 850 nm, 500 MHz*km at 1300 nm
2.7 dB/km at 850 nm, ≤ 0.5 dB/km at 1300 nm
-40 °C...85 °C
-55 °C...60 °C
-55 °C...85 °C

**Note**

**Ordering data**

Core 62.5 µm. OM1	
100.0 m	
180.0 m	
200.0 m	
250.0 m	
300.0 m	
350.0 m	
500.0 m	

Type	Qty.	Order No.
IE-FM6C2UE0100MSD1SD1X	1	1318011000
IE-FM6C2UE0180MSD1SD1X	1	1318011800
IE-FM6C2UE0200MSD1SD1X	1	1318012000
IE-FM6C2UE0250MSD1SD1X	1	1318012500
IE-FM6C2UE0300MSD1SD1X	1	1318013000
IE-FM6C2UE0350MSD1SD1X	1	1318013500
IE-FM6C2UE0500MSD1SD1X	1	1318015000

**Note**

**Accessories**

Markers	
Wire and cable marker. ø 4.7 - 7.4 mm	
Wire and cable marker. ø 5.8 - 7.8 mm	

Type	Qty.	Order No.
VT SF 5/21 MC NE WS V0	160	1689470001
VT SF 6/21 MC NE WS V0	160	1730560001

**Note**

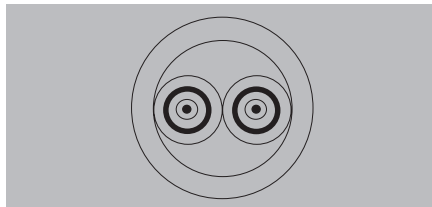
**Assembled cables - FO dragline cable**

**Assembled cables**

**FO dragline cable**

- Singlemode glass optical fibre

**SC-Duplex IP 67**



**Technical data**

Product type
Cable layout
Version connector left / Version connector right
Sheath diameter
Material sheath
Sheathing colour
Fibre type
Bandwidth
Insertion loss
Attenuation
Ambient temperature (operational)
Installation temperature
Storage temperature
Approvals

Dragline cable
Break-out dragline
SC IP 67 PushPull V14 metal / SC IP 67 PushPull V14 metal
6 mm
PUR
Black
Singlemode, OS 2
≤ 0.5 dB
≤0.4 dB/km at 1310 nm
-40 °C...80 °C
-20 °C...60 °C
-40 °C...80 °C

**Note**

**Note**

**Ordering data**

<b>Core 9 µm. OS2</b>
5.0 m
20.0 m
25.0 m
40.0 m

Type	Qty.	Order No.
IE-FSMD2UE0005MSDESDEX	1	1449420050
IE-FSMD2UE0020MSDESDEX	1	1449420200
IE-FSMD2UE0025MSDESDEX	1	1449420250
IE-FSMD2UE0040MSDESDEX	1	1449420400

**Note**

**Note**

**Accessories**

<b>Markers</b>
Wire and cable marker. ø 4.7 - 7.4 mm
Wire and cable marker. ø 5.8 - 7.8 mm

Type	Qty.	Order No.
VT SF 5/21 MC NE WS V0	160	1689470001
VT SF 6/21 MC NE WS V0	160	1730560001

**Note**

**Note**