TAKEX - DIFFUSE FIBRE OPTIC CABLES

FX210J
FIBRE DIFFUSE M4 CO-AX

PRODUCT DESCRIPTION

Order no.	Appearance of fibre ends	Length of fibre conductors	Material in fibres	Material in fibre sheath	Temperature range
FR8EBC	Tip: M3x0.5	2 m	Plastic: polymethacrylate, PMMA	Plastic: polyethylene	-30 °C to +70 °C
FR19YBC	Fibre, direct det. M3, 2m, high flex	2 m	Plastic: polymethacrylate, PMMA	Plastic: polyethylene	-30 °C to +70 °C
FRS8BC01	Fibre, direct det. M3, tip diam 1.3mm, 2m	2 m	Plastic: polymethacrylate, PMMA	Plastic: polyethylene (tip metal SUS304)	-30 °C to +70 °C
FR108BC	Tip: M4x0.7 	2 m	Plastic: polymethacrylate, PMMA	Plastic: polyethylene	-30 °C to +70 °C
FX210J	Tip: M4x0.7 	1 m	Plastic: polymethacrylate, PMMA	Plastic: polyurethane	-30 °C to +70 °C
FRS84BC	Tip: M4x0.7, Ø1.4 mm	2 m	Plastic: polymethacrylate, PMMA	Plastic: polyurethane (tip metal SUS304)	-30 °C to +70 °C
FR5BC	Tip: M6x1	2 m	Plastic: polymethacrylate, PMMA	Plastic: polyethylene	-30 °C to +70 °C
FR7BC	Tip: M6x0.75, Ø2.5 	2 m	Plastic: polymethacrylate, PMMA	Plastic: polyethylene	-30 °C to +70 °C
FR7YBC	Fibre, direct det. M6, tip diam 2.5mm, 2m, high flex 	2 m	Plastic: polymethacrylate, PMMA	Plastic: polyethylene (tip metal SUS304)	-30 °C to +70 °C
FRSV83BC	Fibre, side view, direct det. diam. 3mm, tip diam 1.5mm, 2m	2 m	Plastic: polymethacrylate, PMMA	Plastic: polyethylene (tip metal SUS304)	-30 °C to +70 °C
FRL732BC	Fibre, curtain, direct det. width 11mm, 2m fibre 	2 m	Plastic: polymethacrylate, PMMA	Plastic: polyethylene (tip brass)	-30 °C to +70 °C
GLX510J	Tip: M4x0.7 High temp.	1 m	Glass	PTFE	-60 °C to +220 °C (tip 230 °)

GXH510J	Fibre, direct det., M4, 1m, high temp 350C, metal casing		1 m	Glass	Metal: SUS	-60 °C to +350 °C		

Other fibre conductor lengths and versions available on request.

Order no.	Appearance of fibre ends		Smallest detectable object Sn<1 mm	Bend radius mm	Other	Sn= Detection distance (mm)		
						F71R	F70R, F70AR, F70TR	F80R
FR8EBC	Tip: M3x0.5		Ø0.03 mm	20R	Rear edge cuttable	65	110	190
FR19YBC	Fibre, direct det. M3, 2m, high flex		Ø0.03 mm	1R	Flexible fibre, rear edge cuttable, suitable for fibre protection FA4SP10	8	14	40
FRS8BC01	Fibre, direct det. M3, tip diam 1.3mm, 2m		Ø0.03 mm	15R (Tip not bendable)	Rear edge cuttable Steel tip L=15 mm	30	50	90
FR108BC	Tip: M4x0.7		Ø0.03 mm	30R	Rear edge cuttable, suitable for fibre protection FA4SP10	120	200	360
FX210J	Tip: M4x0.7		Ø0.03 mm	30R	Coaxial	45	80	135
FRS84BC	Tip: M4x0.7, Ø1.4 mm		Ø0.03 mm	15R	Steel tip L=70 mm (tip: 10R)	30	50	90
.FR5BC	Tip: M6x1		Ø0.03 mm	30R	Rear edge cuttable	100	180	320
FR7BC	Tip: M6x0.75, Ø2.5		Ø0.03 mm	30R	Rear edge cuttable, suitable for fibre protection FA6SP10	100	180	320
FR7YBC	Fibre, direct det. M6, tip diam 2.5mm, 2m, high flex		Ø0.03 mm	1R	Rear edge cuttable, suitable for fibre protection FA6SP10	70	130	220
FRSV83BC	Fibre, side view, direct det. diam. 3mm, tip diam 1.5mm, 2m		Ø0.03 mm	15R	Rear edge cuttable, steel tip L=20 mm (Ø1.5 mm) “Side view”	10	20	40
FRL732BC	Fibre, curtain, direct det. width 11mm, 2m fibre		Ø0.1 mm	30R	Rear edge cuttable, curtain fibre (Ø0.265x16x2 mm)	55	100	170

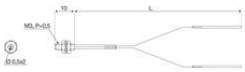
GLX510J	Tip: M4x0.7 High temp.		Ø0.05 mm	50R	High temperature	45	80	135
GXH510J	Fibre, direct det., M4, 1m, high temp 350C, metal casing		Ø0.05 mm	50R	Metal casing, high temperature	45	80	135

Sn= Detection distance mm for red LED
Blue LED= 30 % of red LED
Green LED= 6 % of red LED
White LED= 25 % of red LED

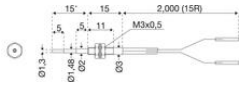
DIMENSIONS

FR8EBC

FR19YBC

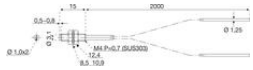


FRS8BC01

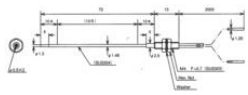


FX210J

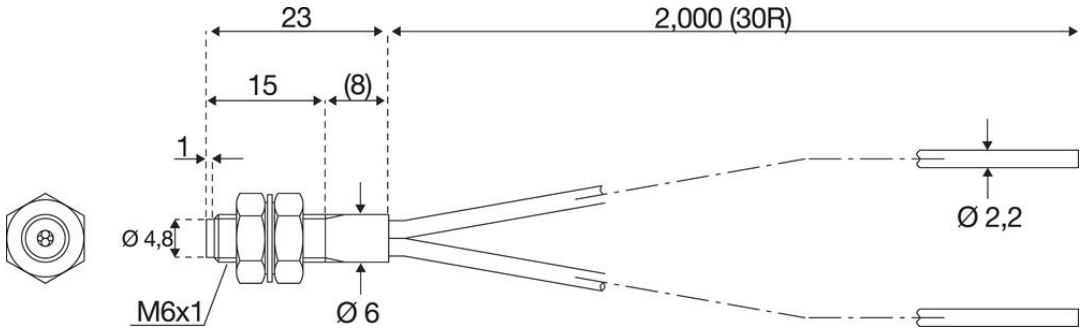
FR108BC



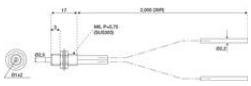
FRS84BC



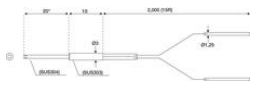
FR5BC



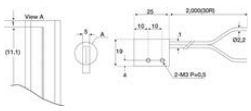
FR7BC, FR7YBC



FRSV83BC



FRL732BC



GLX510J

GXH510J

Fibre parts marked * must not be bent.

SPECIFICATIONS

Bending Radius Min	30
Distance Max	135 mm
Distance Min	0 mm
Fiber Length	1000

Fiber Material	Plastic
Material Fiber Casing	Polyethylene
Photocell technology	Directional fiber
Temperature range from	-30 °C
Temperature range to	70 °C