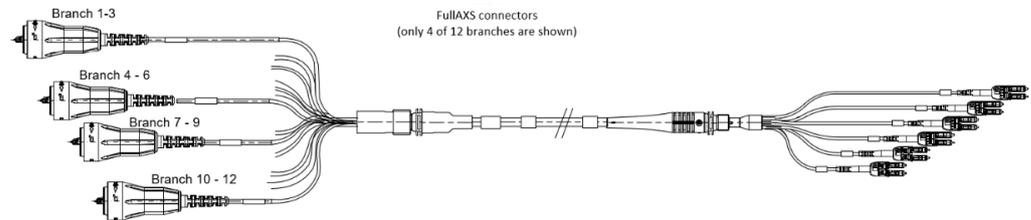


Harsh environment cable system MLE, 24F, 12x FullIAXS, 12x LC duplex, SM A2

Properties.

- Pre-assembled plug & play cabling system.
- Loose tube cable with 24 fibers, rodent protection.
- Connectors numbered for easy channel identification.
- Easy and time-saving Installation.



General data

Cable system family	MASTERLINE Extreme
Application Area	Outdoor
Fiber quantity	24 pcs
Installation Temperature	-10 °C ... 50 °C
Service Temperature	-40 °C ... 70 °C

Side A / Left

Type		FullIAXS Plug
Insertion loss		97%, < 0.45 dB
Return loss		≥ 50 dB
Ingress protection (IP Rating)		IPX5
Temperature	Operation temperature	-40 °C ... 85 °C
Mating cycles	Standard	IEC 61300-2-2
	Cycles	100
Tensile strength	Standard	IEC61300-2-4
	Tensile strength	150 N

Side B / Right

Type		LC Uniboot
Optical interface according to		IEC 61755-3-1/2, (UPC/APC)
Mechanical interface according to		IEC 61754-20, TIA 604-10-A (LC)
Flammability rating		UL 94 V-0
Temperature	Operation temperature	-40 °C ... 85 °C
UV resistance	Resistance	Yes
Mating cycles	Standard	IEC 61300-2-2
	Cycles	1000
Tensile strength	Standard	IEC61300-2-4
	Tensile strength	5 N

Harsh environment cable system
MLE, 24F, 12x FullAXS, 12x LC duplex, SM A2

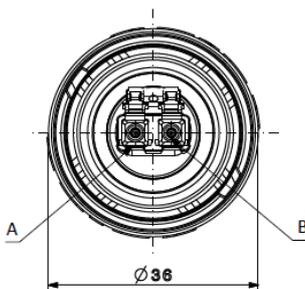
Fiber Optic Cables		
Fiber	Quantity	24
Fiber Type	according to IEC 60793-2-50 B-652.D + ITU-T G.652.D	E9/125
Tube Diameter		2.8 mm
Tensile strength	During installation	2000 N
	In service	1200 N
Min. bending radius	During installation	110 mm
	In service	70 mm
Crush resistance	During installation	5000 N/dm
	In service	2000 N/dm
Impact resistance	Energy	2.21 J
	Cycles	100
Torsion	Cycles	100000
	Length ; Angle	1000 mm ; 180 °
Strain relief	Type	glass-rovig
	Sweallability	Swellable
Outer jacket Diameter		7mm
Temperature	During installation	-10 °C ... 50 °C
	In service	-40 °C ... 70 °C
	In storage	-40 °C ... 70 °C
CPR class		Dca-s1a,d1,a1

Channel Allocation

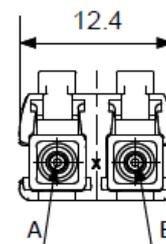
		Side B	
		A	B
Side A	A		X
	B	X	
Code 1			

Technical Drawing

Front View FullAXS



Front view LC-HQ Uniboot



Harsh environment cable system
MLE, 24F, 12x FullAXS, 12x LC duplex, SM A2

Order Information Table		
Length (m)	H+S Item number	Description
10	85117998	EH024_E0010C_MM214ZG100ZZ48USS
15	85117999	EH024_E0015C_MM214ZG100ZZ48USS
20	85166212	EH024_E0020C_MM214ZG100ZZ48USS
25	85166213	EH024_E0025C_MM214ZG100ZZ48USS

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