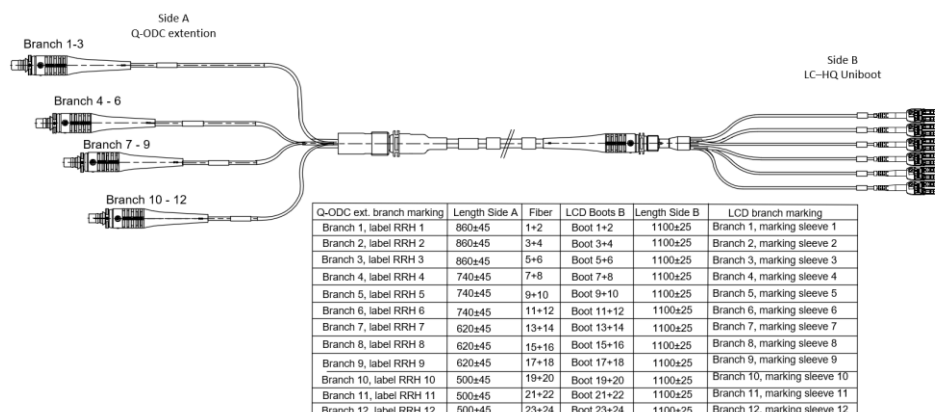


Harsh environment Cable system

Masterline Extreme, 24F, 12x ODC-2 Extension, 24x FLC/PC duplex, SM A2**Properties**

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

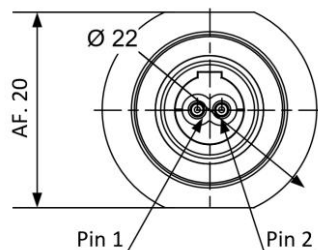
**General data**

Assembly family	MASTERLINE Extreme
Application Area	Outdoor
Fiber quantity	24
Polarity	A-B / B-A straight polarity
Free of halogene	Yes
Service Temperature	-40 °C ... 70 °C
Installation temperature	-10 °C ... 50 °C

Side A / Left

Type		Q-ODC-2 Extension
Insertion loss		97%, < 0.45 dB
Return loss		≥ 50 dB
Ingress protection (IP Rating)		IP68
Temperature	Operation temperature	-40 °C ... 85 °C
Mating Cycles	Standard	IEC 61300-2-2
	Cycles	200
Tensile Strength	Standard	IEC61300-2-4
	Tensile strength	450 N

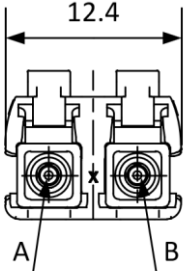
Q-ODC-2 Extension Image: -

**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

Harsh environment Cable system

Masterline Extreme, 24F, 12x ODC-2 Extension, 24x FLC/PC duplex, SM A2

Temperature	Operation temperature	-40 °C ... 85 °C
Mating Cycles	Standard	IEC 61300-2-2
	Cycles	100
Tensile Strength	Standard	IEC61300-2-4
	Tensile Strength	5 N
UV resistance		Yes
LC-HQ uniboot Image:-		

Cable data		
Fiber	Quantity	24
Fiber Type	according to IEC 60793-2-50 B-657.A2 + ITU-T G.657.A2	22 x 9/125 µm G.657.A2
Tube Diameter		2.8 mm
Tensile strength	During installation	2000N
	In service	1200N
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	1 J
	Cycles	100
Torsion	Cycles	20000
	Length ; Angle	1000 mm ; 180°
Strain relief	Type	Glass-roving
	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,d0,a1

Channel Allocation Fiber

		LCD side B	
		A	B
Q-ODC extention	Pin1		X
	Pin2	X	
Code 1			

Order Information Table

Item Number	Item Description	Length in m
85234711	EH024_G0010C_MM050ZG110FQE8USS	10
85234799	EH024_G0020C_MM050ZG110FQE8USS	20

Harsh environment Cable system

Masterline Extreme, 24F, 12x ODC-2 Extension, 24x FLC/PC duplex, SM A2

85234800	EH024_G0030C_MM050ZG110FQE8USS	30
85234802	EH024_G0040C_MM050ZG110FQE8USS	40
85234803	EH024_G0050L_MM050ZG110FQE8USS	50
85234804	EH024_G0060L_MM050ZG110FQE8USS	60
85234805	EH024_G0070L_MM050ZG110FQE8USS	70
85234806	EH024_G0080L_MM050ZG110FQE8USS	80
85234808	EH024_G0090D_MM050ZG110FQE8USS	90
85234809	EH024_G0100D_MM050ZG110FQE8USS	100
85234810	EH024_G0110D_MM050ZG110FQE8USS	110
85234811	EH024_G0120D_MM050ZG110FQE8USS	120
85234812	EH024_G0130D_MM050ZG110FQE8USS	130

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/ EN 9100 and ISO/TS 22163-IRIS.

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