

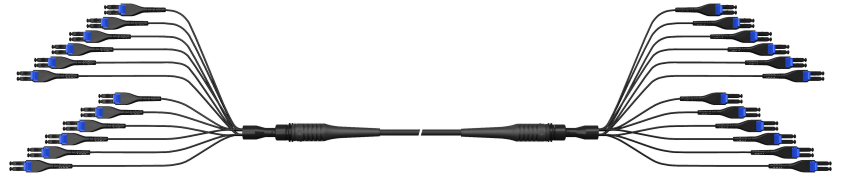
Harsh environment cable system

MLC-HT, 24F, 12x LC uniboot, 12x LC uniboot, SM A2

HH024_E....._SG038ZG055Z8U8USS - CPR

Properties

- Pre-assembled plug & play cabling system
- Ruggedised design with robust pulling tube
- Breakouts numbered for easy channel identification
- Easy and time-saving installation



General data	
Cable system family	MASTERLINE Classic
Application Area	Outdoor
Fiber quantity	24
Operation temperature	-40 °C ... 75 °C
Installation temperature	-10 °C ... 50 °C

Side A / Left	
Interface	connectorized
Type	Fiber Optic Connector
Connector family	LC
Gender	Plug
Housing colour FO Connector	Black
Clip type	Uniboot
Clip family	Classic
Boot colour	Black
Mating cycles with repeated cleaning	1000
Mechanical Interface Standard	IEC 61754-20, TIA 604-10-A (LC)
Polishing	UPC
Endface polishing angle	0°
Insertion loss 97%	≤ 0.25 dB
Insertion loss typical	≤ 0.12 dB
Return loss	≥ 50 dB
Breakout type FO	staggered
Shortest breakout length FO	380 mm
Longest breakout length FO	1030 mm
Breakout quantity	12 pcs

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Side B / Right	
Interface	connectorized
Type	Fiber Optic Connector
Connector family	LC
Gender	Plug
Housing colour FO Connector	Black
Clip type	Uniboot
Clip family	Classic
Boot colour	Black
Mating cycles with repeated cleaning	1000
Mechanical Interface Standard	IEC 61754-20, TIA 604-10-A (LC)
Polishing	UPC
Endface polishing angle	0°
Insertion loss 97%	≤ 0.25 dB
Insertion loss typical	≤ 0.12 dB
Return loss	≥ 50 dB
Breakout type FO	staggered
Shortest breakout length FO	550 mm
Longest breakout length FO	1100 mm
Breakout quantity	12 pcs

Fiber Optic Cables	
Cable Description	Glass armoured multi fiber loose tube cable
Fiber quantity	24
Fiber type	E9/125A2
CPR class	Dca-s1a,d1,d1
Strain relief	glass-roving
Outer tube diameter	1 x 2.8 mm
Outer jacket diameter	7mm
Outer jacket material	LSFH
Tensile strength during installation	2000 N
Tensile strength in service	1200 N
Min. bending radius during installation	110 mm
Min. bending radius in service	70 mm
Crush resistance during installation	5000 N/dm
Crush resistance in service	2000 N/dm
Fire propagation standard	IEC 60332-1-2
	IEC 60332-3-25
	UL 1666

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Channel Allocation Fiber

Connector side A		Fiber	Marking	Connector side B	
Connector 1	A	1	1	B	Connector 1
	B	2		A	
Connector 2	A	3	2	B	Connector 2
	B	4		A	
Connector 3	A	5	3	B	Connector 3
	B	6		A	
Connector 4	A	7	4	B	Connector 4
	B	8		A	
Connector 5	A	9	5	B	Connector 5
	B	10		A	
Connector 6	A	11	6	B	Connector 6
	B	12		A	
Connector 7	A	13	7	B	Connector 7
	B	14		A	
Connector 8	A	15	8	B	Connector 8
	B	16		A	
Connector 9	A	17	9	B	Connector 9
	B	18		A	
Connector 10	A	19	10	B	Connector 10
	B	20		A	
Connector 11	A	21	11	B	Connector 11
	B	22		A	
Connector 12	A	23	12	B	Connector 12
	B	24		A	

Ordering Information Table

Item number	Item description	Length in m
85086362	HH024_E0001A_SG038ZG055Z8U8USS	1
85086363	HH024_E0005A_SG038ZG055Z8U8USS	5
85087145	HH024_E0010A_SG038ZG055Z8U8USS	10
85012383	HH024_E0020A_SG038ZG055Z8U8USS	20
85012589	HH024_E0030A_SG038ZG055Z8U8USS	30
85012590	HH024_E0040A_SG038ZG055Z8U8USS	40
85012592	HH024_E0050A_SG038ZG055Z8U8USS	50
85012593	HH024_E0060A_SG038ZG055Z8U8USS	60
85012594	HH024_E0070A_SG038ZG055Z8U8USS	70
85012595	HH024_E0080A_SG038ZG055Z8U8USS	80
85012596	HH024_E0090L_SG038ZG055Z8U8USS	90
85012597	HH024_E0100L_SG038ZG055Z8U8USS	100

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Ordering Information Table			
85012598		HH024_E0125D_SG038ZG055Z8U8USS	125
85012599		HH024_E0150D_SG038ZG055Z8U8USS	150
85120210		HH024_E0170D_SG038ZG055Z8U8USS	170
85012600		HH024_E0200D_SG038ZG055Z8U8USS	200
85032769		HH024_E0240D_SG038ZG055Z8U8USS	240
85071154		HH024_E0250D_SG038ZG055Z8U8USS	250
85032770		HH024_E0270D_SG038ZG055Z8U8USS	270
85064664		HH024_E0300D_SG038ZG055Z8U8USS	300
85098854		HH024_E0400E_SG038ZG055Z8U8USS	400
85032771		HH024_E0410E_SG038ZG055Z8U8USS	410

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