

Harsh environment cable system

MLC-HT, 12F, 6x LC duplex, 6xLC duplex, SM

HH012_E....._SG038ZG055Z8U8USS

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	12
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	530 mm
Breakout quantity	6 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	800 mm
Breakout quantity	6 pcs

Fiber Optic Cables	
Cable Description	Glass armoured multi fiber loose tube cable
Fiber quantity	12
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	

Ordering Information Table

Item number	Item description	Length in m
85086364	HH012_E0001A_SG038ZG055Z8U8USS	1
85086365	HH012_E0005A_SG038ZG055Z8U8USS	5
85070875	HH012_E0010A_SG038ZG055Z8U8USS	10
85012382	HH012_E0020A_SG038ZG055Z8U8USS	20
85012502	HH012_E0030A_SG038ZG055Z8U8USS	30
85012503	HH012_E0040A_SG038ZG055Z8U8USS	40
85012504	HH012_E0050A_SG038ZG055Z8U8USS	50
85012505	HH012_E0060A_SG038ZG055Z8U8USS	60
85012506	HH012_E0070A_SG038ZG055Z8U8USS	70
85012543	HH012_E0080A_SG038ZG055Z8U8USS	80
85012544	HH012_E0090L_SG038ZG055Z8U8USS	90
85012545	HH012_E0100L_SG038ZG055Z8U8USS	100
85012546	HH012_E0125D_SG038ZG055Z8U8USS	125
85012547	HH012_E0150D_SG038ZG055Z8U8USS	150
85098084	HH012_E0160D_SG038ZG055Z8U8USS	160
85012548	HH012_E0200D_SG038ZG055Z8U8USS	200
85025399	HH012_E0250D_SG038ZG055Z8U8USS	250
85024381	HH012_E0300D_SG038ZG055Z8U8USS	300
85096748	HH012_E0350D_SG038ZG055Z8U8USS	350
85028594	HH012_E0380E_SG038ZG055Z8U8USS	380
85096753	HH012_E0450D_SG038ZG055Z8U8USS	450

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