

Harsh environment cable system

MLC-HT, 36F, 18x LC/PC duplex, 18xLC/PC duplex, SM A2

HH036_J....._MG038ZG055Z8U8USS

Properties

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



General data

Cable system family	MASTERLINE Classic
Application Area	Outdoor
Fiber quantity	36 pcs
Operation temperature	-40 °C ... 75°C
Installation temperature	-10 °C ... 50°C

Side A / Left

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	1310 mm
Breakout quantity	18 pcs

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Side B / Right	
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	1400 mm
Breakout quantity	18 pcs

Fiber Optic Cable	
Cable Description	Glass armoured multi fiber loose tube cable
Fiber quantity	48
Fiber type	E9/125A2
CPR class	Dca-s1a,d0,a1
Strain relief	glass-roving
Outer jacket diameter	9.6mm
Outer jacket material	LSFH
Tensile strength during installation	9000 N
Tensile strength in service	4000 N
Min. bending radius during installation	140 mm
Min. bending radius in service	140 mm
Crush resistance during installation	6000 N/dm
Crush resistance in service	3000 N/dm
Fire propagation standard	IEC 60332-1-2 IEC 60332-3-25

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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	
Connector 13	A	25	13	B	Connector 13
	B	26		A	
Connector 14	A	27	14	B	Connector 14
	B	28		A	
Connector 15	A	29	15	B	Connector 15
	B	30		A	
Connector 16	A	31	16	B	Connector 16
	B	32		A	
Connector 17	A	33	17	B	Connector 17
	B	34		A	
Connector 18	A	35	18	B	Connector 18
	B	36		A	

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Ordering Information Table		
Item number	Item description	Length in m
85068198	HH036_J0001A_MG038ZG055Z8U8USS	1
85066843	HH036_J0020A_MG038ZG055Z8U8USS	20
85066962	HH036_J0030A_MG038ZG055Z8U8USS	30
85066964	HH036_J0040A_MG038ZG055Z8U8USS	40
85066966	HH036_J0050A_MG038ZG055Z8U8USS	50
85066979	HH036_J0060L_MG038ZG055Z8U8USS	60
85066986	HH036_J0070D_MG038ZG055Z8U8USS	70
85066987	HH036_J0080D_MG038ZG055Z8U8USS	80
85066988	HH036_J0090D_MG038ZG055Z8U8USS	90
85066989	HH036_J0100D_MG038ZG055Z8U8USS	100
85068299	HH036_J0125D_MG038ZG055Z8U8USS	125
85068300	HH036_J0150D_MG038ZG055Z8U8USS	150
85098083	HH036_J0170D_MG038ZG055Z8U8USS	170
85068301	HH036_J0200E_MG038ZG055Z8U8USS	200
85084366	HH036_J0300E_MG038ZG055Z8U8USS	300

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