PRODUCT INFORMATION

MMC16 Harness

Duplex Breakout Harness (LC & MDC)

DMSI's MMC harnesses feature US Conec's new, high performance Very Small Form Factor (VSFF) multi-fiber optical connector broken out to MTP, MDC or LC legs. Harnesses are available in both single-mode and multimode applications, along with both MMC-16 and MMC-24 connectors. Cable jackets are available in any color and length. Harnesses with MTP legs are available in many polarity configurations depending on the required application. Harnesses with MDC and LC Uniboot are available in Types A, B, and "MMC Harness Polarity".

COMPLIANCES

- TIA/EIA-455-21A
- TIA/EIA 568-B.3

CONNECTOR PERFORMANCE SPECIFICATIONS

MULTIMODE CONNECTORS		
Connector Type	Max Insertion Loss	Return Loss
MMC	≤0.35 dB	≥25.00 dB
LC	≤0.20 dB	≥25.00 dB

SINGLE-MODE CONNECTORS		
Connector Type	Max Insertion Loss	Return Loss
MMC	≤0.35 dB	≥65.00 dB
LC/UPC	≤0.20 dB	≥55.00 dB
LC/APC	≤0.20 dB	≥65.00 dB

ASSEMBLY SPECIFICATIONS

Connector Type	MMC16 APC Male MMC16 APC Female
Breakout Connector Type (Standard breakout length is 18 inches)	LC UPC Reverse Polarity ELiMENT™ Uniboot LC APC Reverse Polarity ELiMENT™ Uniboot LC simplex, 2.0mm MDC UPC Uniboot MDC APC Uniboot
Assembly Type	Harness
Category	Cable Assemblies

PRODUCT INFORMATION

MMC16 Harness

Duplex Breakout Harness (LC & MDC)

PART NUMBER CONFIGURATOR

			016						M
X	AA	BB		C	D	E	F	GGG	

X	Select Option for Pull Eye
P	One end
B	Both ends
	Leave it blank if not needed
AA	Select Connectors
16	MMC16 APC Non-Pinned (Female)
17	MMC16 APC Pinned (Male)
BB	Select Connectors
E1	LC UPC Reverse Polarity ELiMENT™ Uniboot
E8	LC APC Reverse Polarity ELiMENT™ Uniboot
07	MDC UPC
08	MDC APC
32	LC Simplex, 2.0mm
Fiber Count: 16 fibers	

C	Select Fiber Type
Y	Single-mode OS2 10mm bend (standard)
Z	Single-mode OS2 5.0mm bend
M	OM4
W	OM5 (WBMMF)
D	Select Polarity Type
A	Type A
B	Type B
U	Universal

E	Select Jacket Color
B	Blue
N	Orange
G	Green
W	Brown
T	Slate
H	White
R	Red
K	Black
Y	Yellow
V	Violet
S	Rose
A	Aqua
L	Lime Green
F	Select Jacket Rating
2	OFNP (Plenum)
9	OFNR (Riser)
Z	LSZH
GGG	Select Length
001 - 999	
Unit of Measure: Meter	

PRODUCT INFORMATION

MMC16 Harness

Duplex Breakout Harness (LC & MDC)

STANDARD AND COMPLIANCES

SINGLE-MODE OS2

The standard single-mode offering is a 10mm OS2 bend insensitive fiber. Bend performances of 5.0mm are also available.

COMPLIANCES

- ICEA S-83-596 UL1666
- TIA492-CAAB
- TIA-568-C.3
- TIA-568-D

NUMERICAL APERTURE

- .14 (characterized)

AVAILABLE FIBER TYPES

- Corning® SMF-28® Ultra optical fiber compliant to G.657.A1, 10mm BR
- Corning® ClearCurve® ZBL optical fiber compliant to G.657.B3, 5mm BR

MULTIMODE 50µm OM4 / OM5

COMPLIANCES

- ICEA S-83-596 UL1666
- TIA-568-C.3
- TIA-568-D
- IEC 60793-10 UL1666

NUMERICAL APERTURE

- .20 ± 0.015

AVAILABLE FIBER TYPES (7.5mm Bend Radius)

- Corning® ClearCurve® OM4 optical fiber compliant to TIA492-AAAD, A1a.3 to IEC60793-2-10
- Corning® ClearCurve® OM5 optical fiber compliant to TIA492-AAAE, A1-OM5 to IEC60793-2-10

MADE IN USA BAA COMPLIANT REACH COMPLIANT RoHS COMPLIANT TAA COMPLIANT

DMSI INTERNATIONAL
105 Triple Diamond Blvd. Unit 101, Venice, Florida 34275
info@dmsimfg.com | 941-244-0935 | www.dmsimfg.com

DMSI International reserves the right to modify these specifications without notice.
© 2023 Diversified Material Specialists Inc. All rights reserved.