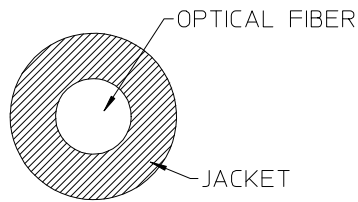


DESCRIPTION: CABLE POF 1MM, SIMPLEX 2.2MM, PA, BLACK, 500M

CORE MATERIAL	POLYMETHYL METHACRYLATE (PMMA)
CLADDING MATERIAL	FLUORINATED POLYMER
NUMERICAL APERTURE	0.485 ± 0.045
REFRACTIVE INDEX PROFILE	STEP INDEX
CORE DIAMETER	980±60 μm
CLADDING DIAMETER	1000±60 μm
JACKET MATERIAL	POLYAMIDE (PA)
JACKET COLOR	BLACK
JACKET DIAMETER	2.2±0.07 mm
APPROXIMATE WEIGHT	4.3 kg/km
TRANSMISSION LOSS (②20°C)	
②650nm	< 160 dB/km
②660nm	< 230 dB/km
BANDWIDTH ②650nm	> 40 MHz x 100 m
MIN BEND RADIUS	
SHORT TERM	20 mm
LONG TERM	20 mm
MAX TENSILE STRENGTH	
SHORT TERM	60 N
LONG TERM	10 N
MAX LATERAL PRESSURE	
SHORT TERM	200 N/cm
LONG TERM	40 N/cm
IMPACT RESISTANCE	max. 0.4 Nm/10 impacts
TORSIONAL RESISTANCE	20 cycles, ±180°, 25cm, Force F=20N
ALTERNATE BENDING	min. 50000 cycles, r=20 mm, Force F=2N
REPEATED BENDING	20 cycles, ±180°, Force F=20N
TRANSPORT AND STORAGE TEMPERATURE	-55°C to +85°C
INSTALLATION TEMPERATURE	-5°C to +50°C
OPERATION TEMPERATURE	-55°C to +80°C
FIRE PERFORMANCE	HALOGEN FREE ACC. TO IEC 60754-2 A1:1997 PA-BUFFER MATERIAL IS FLAME RETARDANT ACC. UL 94 HB
CHEMICAL CHARACTERISTICS	GOOD RESISTANCE TO OIL, PETROL, ACID AND LEACH
STANDARDISATION	MULTIMODE FIBRES CATEGORY A4a.2 IEC 60793-2-40 IEC 60794-2-41
APPLICATION/INSTALLATION	APPLICATIONS WITH A HIGH MECHANICAL DEMAND AND FLEXIBLE APPLICATIONS WITH SMALL BEND RADIUS, DIRECT CONNECTOR ASSEMBLY

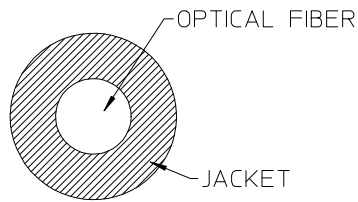


NOTE:
1. PACKAGING: 500M REEL.

ENTER DESCRIPTION EC NO: MF2016-0013 DRWN: SBOJANIC 2015/07/13 CHKD: APPR: IGUMIN 2015/07/14 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	mm	INCH	DRAWN BY	DATE	TITLE		
	∇=0	4 PLACES ± --- ± ---		SBOJANIC	2015/03/23	POF SIMPLEX CABLE, 2.2MM, PA, BLACK, 500M		
		3 PLACES ± --- ± ---		CHECKED BY	DATE			
		2 PLACES ± --- ± ---		APPROVED BY	DATE			
	1 PLACE ± --- ± ---		IGUMIN	2015/04/02	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
	0 PLACE ± --- ± ---		ANGULAR ±1/2°		1062088005	SD-106208-8005	1 OF 1	
A1		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

DESCRIPTION: CABLE POF 1MM, SIMPLEX 2.2MM, PA, BLACK, 500M

CORE MATERIAL	POLYMETHYL METHACRYLATE (PMMA)
CLADDING MATERIAL	FLUORINATED POLYMER
NUMERICAL APERTURE	0.485 ± 0.045
REFRACTIVE INDEX PROFILE	STEP INDEX
CORE DIAMETER	980±60 μm
CLADDING DIAMETER	1000±60 μm
JACKET MATERIAL	POLYAMIDE (PA)
JACKET COLOR	BLACK
JACKET DIAMETER	2.2±0.07 mm
APPROXIMATE WEIGHT	4.3 kg/km
TRANSMISSION LOSS (②20°C)	
②650nm	< 160 dB/km
②660nm	< 230 dB/km
BANDWIDTH ②650nm	> 40 MHz x 100 m
MIN BEND RADIUS	
SHORT TERM	20 mm
LONG TERM	20 mm
MAX TENSILE STRENGTH	
SHORT TERM	60 N
LONG TERM	10 N
MAX LATERAL PRESSURE	
SHORT TERM	200 N/cm
LONG TERM	40 N/cm
IMPACT RESISTANCE	max. 0.4 Nm/10 impacts
TORSIONAL RESISTANCE	20 cycles, ±180°, 25cm, Force F=20N
ALTERNATE BENDING	min. 50000 cycles, r=20 mm, Force F=2N
REPEATED BENDING	20 cycles, ±180°, Force F=20N
TRANSPORT AND STORAGE TEMPERATURE	-55°C to +85°C
INSTALLATION TEMPERATURE	-5°C to +50°C
OPERATION TEMPERATURE	-55°C to +80°C
FIRE PERFORMANCE	HALOGEN FREE ACC. TO IEC 60754-2 A1:1997 PA-BUFFER MATERIAL IS FLAME RETARDANT ACC. UL 94 HB
CHEMICAL CHARACTERISTICS	GOOD RESISTANCE TO OIL, PETROL, ACID AND LEACH
STANDARDISATION	MULTIMODE FIBRES CATEGORY A4a.2 IEC 60793-2-40 IEC 60794-2-41
APPLICATION/INSTALLATION	APPLICATIONS WITH A HIGH MECHANICAL DEMAND AND FLEXIBLE APPLICATIONS WITH SMALL BEND RADIUS, DIRECT CONNECTOR ASSEMBLY



NOTE:
1. PACKAGING: 500M REEL.

ENTER DESCRIPTION EC NO: MF2016-0013 DRWN: SBOJANIC 2015/07/13 CHKD: APPR: IGUMIN 2015/07/14 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	▽=0	mm	INCH	DRAWN BY	DATE	TITLE			
	∇=0	4 PLACES ± --- ± ---		SBOJANIC	2015/03/23	POF SIMPLEX CABLE, 2.2MM, PA, BLACK, 500M			
		3 PLACES ± --- ± ---		CHECKED BY	DATE				
		2 PLACES ± --- ± ---		APPROVED BY		DATE	molex		
	1 PLACE ± --- ± ---		IGUMIN		2015/04/02				
	0 PLACE ± --- ± ---		MATERIAL NO.		DOCUMENT NO.	SHEET NO.			
A1		ANGULAR ±1/2°		1062088005		SD-106208-8005		1 OF 1	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					