ENDFACE GEOMETRY REQUIREMENT FOR MTP TYPE CONNECTOR(GENERAL MARKET)				
REQUIREMENT	CONNECTOR TYPE			PROCEDURE
	MULTIMODE 50um & 62.5um	SINGLE MODE 8.3um	SINGLE MODE ELITE	
END FACE FINISH	VISUAL	VISUAL	VISUAL	AFM 207-0184
SURFACE TILE ANGLE ALONG X-AXIS	-0.2º≤ X ≤0.2º	-0.2º≤ X ≤0.2º	-0.2º≤ X ≤0.2º	FOLLOW CORRESPONDANT EQUIPMENT WORK INSTRUCTIONS
SURFACE TILE ANGLE ALONG Y-AXIS	-0.2º≤ Y ≤0.2º	7.8º≤ Y ≤8.2º	7.8º≤ X ≤8.2º	
FIBER DIFFERENTIAL HEIGHT	Ht≤0.60um	Ht≤0.40um	Ht≤0.40um	
RADIUS OF CURVATURE ALONG X-AXIS	-2000mm ≤ X ≥ 2000mm			
RADIUS OF CURVATURE ALONG Y-AXIS	50mm ≤ X ≥ 50mm			
PLANER FIBER HEIGHT	1um≤ Ht ≤3.5um	1um≤ Ht ≤3.5um	1um≤ Ht ≤3.5um	
ADJACENT FIBER DIFFERENTIAL HEIGHT	≤ 0.3um			
CORE DIP	MAX 0.1um	N/A	N/A	

AFL STANDARD (GENERAL MARKET)

OPTICAL REQUIREMENTS FOR (SINGLEMODE-DOUBLE ENDED) TYPE CONNECTORS					
ASSEMBLY TYPE	CONNECTOR TYPE	INSERTION LOSS-MAX PER END (dB)	RETURN LOSS-MIN PER END (dB)	WAVELENGTH	TEST TYPE
TRUNK & RUGGADIZED	MPO-SM ANGLED STD	0.75	55	1550 Nm	UNIDIRECTIONAL
	MPO-SM ANGLED ELITE	0.35	62		
	MPO-SM FLAT STD.	0.75	40		
	LC	0.20	55		
	LC ANGLED	0.25	65		
	SC	0.20	55		
	SC ANGLED	0.25	65		
	ST	0.20	55		
	FC	0.20	55		
FAN OUT & CASSETTE	MPO-SM ANGLED STD	0.72	55		
	MPO-SM ANGLED ELITE	0.35	62		
	LC	0.20	55		
	LC ANGLED	0.25	65		
	SC	0.20	55		
	SC ANGLED	0.25	65		
	ST	0.20	55		
	FC	0.20	55		

REV	ECO NO.	DESCRIPTION	APPROVED	CHECKED	DRAWN
30	19ECO31940	UPDATED LC MM VALUES	DH 09/09/2019	DH 09/09/2019	JR 06/11/2019
29	19ECO32210	REMOVE COMMSCOPE INFORMATION AND UPDATE RL FOR SINGLE CONNECTOR VALUES	JF 07/10/2019	JT 07/10/2019	EH 07/10/2019
29	19ECO32210	ADDED SPANISH VERSION	JF 07/10/2019	JT 07/10/2019	EH 07/10/2019

TOLERANCES TO BE SET IN DRW

ALL DIMENSIONS WITHOUT TOLERANCES SHALL BE TAKEN AS REFERENCE

APPROVALS		DATE
DRAWN	JR	06/11/2019
CHECKED	DH	09/09/2019
APPROVED	DH	09/09/2019

STATE: APPROVED

UNITS: mm, g | WEIGHT: 0.00007094

DESCRIPTION: OPTICAL/ GEOMETRY SPECIFICATIONS FOR MTP CONNECTORS

ITEM NO.: N/A

SIZE: A

SCALE 1:1

DWG. NO.: 207-0013

THIRD ANGLE PROJECTION

DWG REV: 30

OPTICAL REQUIREMENTS FOR MULTIMODE CONNECTORS					
ASSEMBLY TYPE	CONNECTOR TYPE	INSERTION LOSS-MAX PER END (dB)	RETURN LOSS-MIN PER END (dB)	WAVELENGTH	TEST TYPE
TRUNK & RUGGADIZED	MPO-MM LL	0.20	20	850 Nm	UNIDIRECTIONAL
	LC	0.30	30		
	SC	0.50	30		
	ST	0.50	30		
	FC	0.50	30		
	MT-RJ	0.50	20		
FAN OUT & CASSETTE	MPO-MM LL	0.20	20		
	LC	0.25	30		
	SC	0.30	30		
	ST	0.50	30		
	FC	0.50	30		

ATTENUATION COEFFICIENT TABLE					
CORE SIZE / FIBER TYPE	ISO/IEC	MAX ATTENUATION (dB/Km)			
		850 Nm	1300 Nm	1310 Nm	1550 Nm
(6) 62.5/125 GIGA-LINK 300	OM1	3.5	1.2	N/A	N/A
(5) 50 GIGA-LINK 600	OM2	2.9	0.9	N/A	N/A
(7) 50 GIGA-LINK 2000	OM2	3.5	1.2	N/A	N/A
(A) 50 LASER-LINK 150	OM2	3.0	1.2	N/A	N/A
(L) 50 LASER-LINK 300	OM3	3.0	1.2	N/A	N/A
(N) CORNING CLEARCURVE	OM3	2.3	0.6	N/A	N/A
(C) 50 LASER-LINK 550	OM4	3.0	1.2	N/A	N/A
(CRG) CORNING CLEARCURVE	OM4	2.3	0.6	N/A	N/A
(C+) 50 LASER-LINK 550	OM4+	3.0	1.0	N/A	N/A
(CRG+) CORNING CLEARCURVE	OM4+	3.0	1.0	N/A	N/A
(K) AFL G.657.A1 SINGLE-MODE	OS2	N/A	N/A	0.35	0.25
(9) AFL SINGLEMODE	OS2	N/A	N/A	0.35	0.25
(4) CORNING SMF-28 ULTRA	OS2	N/A	N/A	0.32	0.18

REV	ECO NO.	DESCRIPTION	APPROVED	CHECKED	DRAWN
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29	19ECO32210	ADDED SPANISH VERSION	JF 07/10/2019	JT 07/10/2019	EH 07/10/2019

GENERAL TOLERANCES

TOLERANCES TO BE SET IN DRW

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APPROVALS		DATE
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CHECKED	DH	09/09/2019
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STATE: APPROVED

UNITS: mm, g

WEIGHT: 0.00007094

DESCRIPTION: OPTICAL/ GEOMETRY SPECIFICATIONS FOR MTP CONNECTORS

ITEM NO.: N/A

SIZE: A

SCALE 1:1

DWG. NO.: 207-0013

THIRD ANGLE PROJECTION

DWG REV: 30

REQUERIMIENTOS GEOMETRICOS PARA CONECTORES MTP (MERCADO GENERAL)				
REQUERIMIENTO	TIPO DE CONECTOR			PROCEDIMIENTO
	MULTIMODO 50um & 62.5um	MONO MODO 8.3um	MONO MODO ELITE	
FINAL DE LA PUNTA	VISUAL	VISUAL	VISUAL	AFM 207-0184
ANGULO SUPERFICIAL DE LA CARA A LO LARGO DEL EJE X	-0.2º≤ X ≤0.2º	-0.2º≤ X ≤0.2º	-0.2º≤ X ≤0.2º	SIGA INSTRUCCIONES DE TRABAJO SEGUN EQUIPO CORRESPONDIENTE
ANGULO SUPERFICIAL DE LA CARA A LO LARGO DEL EJE Y	-0.2º≤ Y ≤0.2º	7.8º≤ Y ≤8.2º	7.8º≤ X ≤8.2º	
DIFERENCIA DE ALTURA DE LA FIBRA	Ht≤0.60um	Ht≤0.40um	Ht≤0.40um	
RADIO DE CURVATURA A LO LARGO DEL EJE X	-2000mm ≤ X ≥ 2000mm			
RADIO DE CURVATURA A LO LARGO DEL EJE X	-50mm ≤ X ≥ 50mm			
ALTURA DE PLANICIDAD FIBRA	1um≤ Ht ≤3.5um	1um≤ Ht ≤3.5um	1um≤ Ht ≤3.5um	
DIFERENCIAL DE ALTURA DE LA FIBRA ADJACENTE	≤ 0.3um			
INMERSION DE LA BASE	MAX 0.1um	N/A	N/A	

AFL ESTANDAR (MERCADO GENERAL)

REQUERIMIENTOS OPTICOS PARA CONECTORES TIPO (MONOMODO-DOBLE PUNTA)					
TIPO DE ENSAMBLE	TIPO DE CONECTOR	MAX PERDIDA DE INSERCION POR PUNTA(dB)	MIN PERDIDA DE RETORNO POR PUNTA (dB)	LONGITUD DE ONDA	TIPO DE PRUEBA
TRUNK & RUGGADIZED	MPO-SM ANGLED STD	0.75	55	1550 Nm	UNIDIRECCIONAL
	MPO-SM ANGLED ELITE	0.35	62		
	MPO-SM FLAT STD.	0.75	40		
	LC	0.20	55		
	LC ANGLED	0.25	65		
	SC	0.20	55		
	SC ANGLED	0.25	65		
	ST	0.20	55		
	FC	0.20	55		
FAN OUT & CASSETTE	MPO-SM ANGLED STD	0.72	55		
	MPO-SM ANGLED ELITE	0.35	62		
	LC	0.20	55		
	LC ANGLED	0.25	65		
	SC	0.20	55		
	SC ANGLED	0.25	65		
	ST	0.20	55		
	FC	0.20	55		

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THIRD ANGLE PROJECTION

DWG REV: 30

REQUERIMIENTOS OPTICOS PARA CONECTORES MULTIMODO					
TIPO DE ENSAMBLE	TIPO DE CONECTOR	MAX PERDIDA DE INSERCION PO PUNTA (dB)	MIN PERDIDA DE RETORNO POR PUNTA (dB)	LONG. DE ONDA	TIPO DE PRUEBA
TRUNK & RUGGADIZED	MPO-MM LL	0.20	20	850 Nm	UNIDIRECCIONAL
	LC	0.30	30		
	SC	0.50	30		
	ST	0.50	30		
	FC	0.50	30		
	MT-RJ	0.50	20		
FAN OUT & CASSETTE	MPO-MM LL	0.20	20		
	LC	0.25	30		
	SC	0.30	30		
	ST	0.50	30		
	FC	0.50	30		

TABLA DE COEFICIENTE DE ATTENUACION					
TAMAÑO DE NUCLEO / TIPO DE FIBRA	ISO/IEC	MAX ATTENUACION (dB/Km)			
		850 Nm	1300 Nm	1310 Nm	1550 Nm
(6) 62.5/125 GIGA-LINK 300	OM1	3.5	1.2	N/A	N/A
(5) 50 GIGA-LINK 600	OM2	2.9	0.9	N/A	N/A
(7) 50 GIGA-LINK 2000	OM2	3.5	1.2	N/A	N/A
(A) 50 LASER-LINK 150	OM2	3.0	1.2	N/A	N/A
(L) 50 LASER-LINK 300	OM3	3.0	1.2	N/A	N/A
(N) CORNING CLEARCURVE	OM3	2.3	0.6	N/A	N/A
(C) 50 LASER-LINK 550	OM4	3.0	1.2	N/A	N/A
(CRG) CORNING CLEARCURVE	OM4	2.3	0.6	N/A	N/A
(C+) 50 LASER-LINK 550	OM4+	3.0	1.0	N/A	N/A
(CRG+) CORNING CLEARCURVE	OM4+	3.0	1.0	N/A	N/A
(K) AFL G.657.A1 SINGLE-MODE	OS2	N/A	N/A	0.35	0.25
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THIRD ANGLE PROJECTION

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SHEET 4 OF 4