Irish Standard
I.S. EN 50377-16-1:2011

Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications -- Part 16-1: Type LF3 APC simplex terminated on IEC 60793-2 -50 category B1.1 and B1.3 singlemode fibre with titanium composite ferrule for category C

I.S. EN 50377-16-1:2011

Incorporating amendments/corrigenda issued since publication:

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English version

Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications - Part 16-1: Type LF3 APC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre with titanium composite ferrule for category C

Jeux de connecteurs et composants d'interconnexion à utiliser dans les systèmes de communication par fibres optiques - Spécifications de produits - Partie 16-1: Type LF3 APC simplex raccordé sur des fibres unimodales de catégorie B1.1 et B1.3 de la CEI 60793-2-50, avec férule en composite de titane, pour utilisation en catégorie C

Steckverbindersätze und Verbindungsbauelemente für Lichtwellenleiter - Datenübertragungssysteme - Produktnormen - Teil 16-1: Bauart LF3-APC-Simplex zum Anschluss an Einmodenfasern der Typen B1.1 und B1.3 nach IEC 60793-2-50 mit Titanium-Komposit-Ferrule für die Kategorie C

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

This document (EN 50377-16-1:2011) has been prepared by CLC/TC 86BXA "Fibre optic interconnect, passive and connectorised components".

The following dates are fixed:

• latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2012-10-31
• latest date by which the national standards conflicting with this document have to be withdrawn	(dow)	2014-10-31

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Connector sets and interconnect components
to be used in optical fibre communication systems - Product specifications

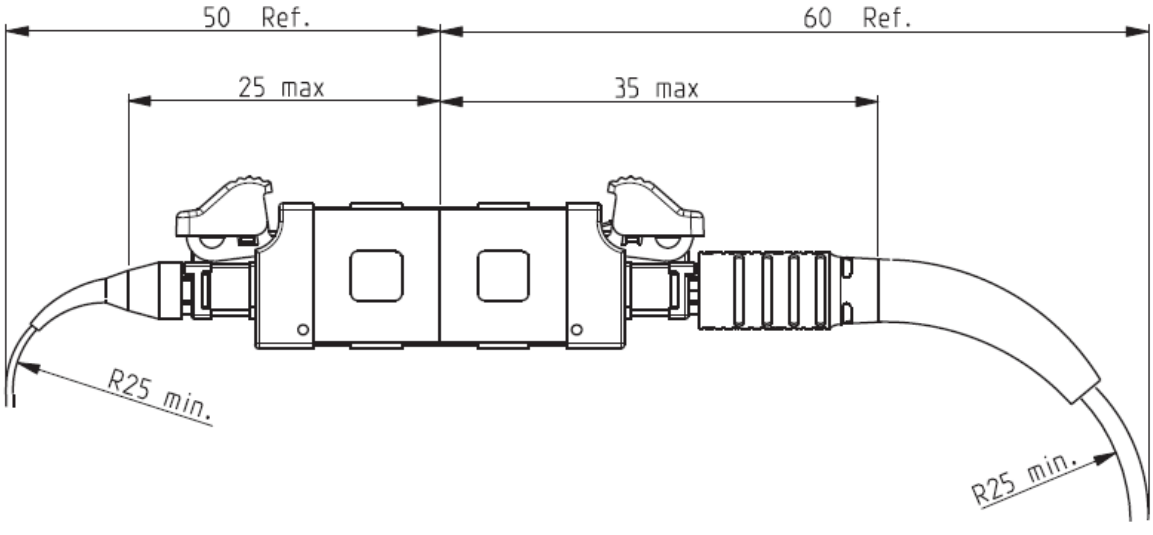
Part 16-1: Type LF3 APC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 single mode fibre with titanium composite ferrule for Category C

Description		Performance	
Coupling mechanism:	latched push-pull	Application:	For use in Category C (controlled environment)
Configuration:	plug/adaptor/plug	Attenuation grades: (random mate)	B: ≤ 0,12 dB mean ≤ 0,25 dB for > 97 % of measurements
Fibre category	EN 60793-2-50 type B1.1 and B1.3		C: ≤ 0,25 dB mean ≤ 0,50 dB for > 97 % of measurements
Cable type:	see Table 3	Return loss grade:	1: ≥ 60 dB (mated) ≥ 55 dB (unmated)

Related documents:

EN 60794-2	Optical fibre cables - Part 2: Indoor cables - Sectional specification (IEC 60794-2)
EN 61300 (series)	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures (IEC 61300 series)
EN 61753-1	Fibre optic interconnecting devices and passive components performance standard - Part 1: General and guidance for performance standards (IEC 61753-1)
EN 61754-28[1]	Fibre optic connector interfaces - Part 28: Type LF3 connector family (IEC 61754-28)
EN 61755-1	Fibre optic connector optical interfaces - Part 1: Optical interfaces for single mode non-dispersion shifted fibres - General and guidance (IEC 61755-1)
EN 61755-3-8	Fibre optic connector optical interfaces - Part 3-8: Optical interface, 2,5 mm and 1,25 mm diameter cylindrical 8 degrees angled-APC composite ferrule using Titanium as fibre surrounding material, single mode fibre (IEC 61755-3-8)

Outline and maximum dimensions (mm):



[1] At draft stage (CDV).