



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50377-8-2:2007

ICS 33.180.20

**CONNECTOR SETS AND INTERCONNECT
COMPONENTS TO BE USED IN OPTICAL
FIBRE COMMUNICATION SYSTEMS -
PRODUCT SPECIFICATIONS -- PART 8-2:
TYPE LSH-APC SIMPLEX TERMINATED ON
IEC 60793-2-50 CATEGORY B1.1 AND B1.3
SINGLEMODE FIBRE, COMPOSITE
FERRULE CATEGORY C**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50377-8-2

August 2007

ICS 33.180.20

English version

**Connector sets and interconnect components
to be used in optical fibre communication systems -
Product specifications -
Part 8-2: Type LSH-APC simplex terminated on IEC 60793-2-50
category B1.1 and B1.3 singlemode fibre,
composite ferrule category C**

Jeux de connecteurs et composants
d'interconnexion à utiliser
dans les systèmes de communication
par fibres optiques -
Spécifications de produit -
Partie 8-2: Type LSH-APC simplex câblé
sur une fibre unimodale des catégories
B1.1 et B1.3 de la CEI 60793-2-50,
ferrule composite, catégorie C

Steckverbindersätze
und Verbindungsbaulemente
für Lichtwellenleiter-
Datenübertragungssysteme -
Produktnormen -
Teil 8-2: Bauart LSH-APC-Simplex zum
Anschluss an Einmodenfasern der Typen
B1.1 und B1.3 nach IEC 60793-2-50
mit Komposit-Stift für die Kategorie C

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CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 86BXA, Fibre optic interconnect, passive and connectorised components.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50377-8-2 on 2007-03-01.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2008-03-01
 - latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2010-03-01
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**Connector sets and interconnect components to be used in optical fibre communication systems -
Product specifications**

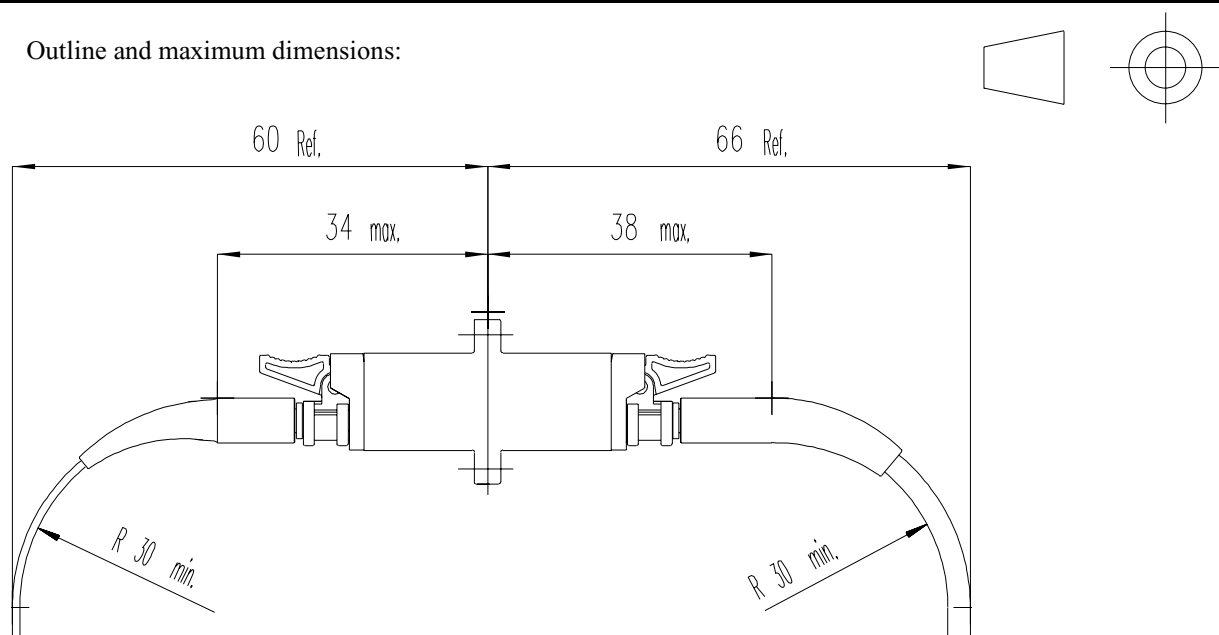
**Part 8-2: Type LSH-APC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre,
composite ferrule category C**

| | | | |
|---------------------|--------------------------------------|--------------------------------------|--|
| Coupling mechanism: | Description Latched push-pull | Application: | Performance For use in category C (Controlled environment) |
| Configuration: | Plug/adaptor/plug | Attenuation grades: (Random mate) | B: $\leq 0,12$ dB mean $\leq 0,25$ dB for > 97 % of measurements C: $\leq 0,25$ dB mean $\leq 0,50$ dB for > 97 % of measurements |
| Fibre category: | EN 60793-2-50 Types B1.1 and B1.3 | | |
| Cable type: | See Table 3 | Return loss grades: | 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 61754-15 | Fibre optic connector interfaces - Part 15: Type LSH connector family (IEC 61754-15) |
| 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 61755-3-6 | Fibre optic connector optical interfaces - Part 3-6: Optical interface - 2,5 mm and 1,25 mm diameter cylindrical 8 degrees angled-PC composite ferrule using Cu-Ni-alloy as fibre surrounding material, single mode fibre (IEC 61755-3-6) |

Outline and maximum dimensions:



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