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I.S. EN 50411-3-3:2011

Fibre organisers and closures to be used in optical fibre communication systems - Product specifications -- Part 3-3: Singlemode optical fibre fusion splice protectors

## I.S. EN 50411-3-3:2011

*Incorporating amendments/corrigenda issued since publication:*

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EUROPEAN STANDARD

**EN 50411-3-3**

NORME EUROPÉENNE

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December 2011

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English version

**Fibre organisers and closures to be used in optical fibre communication systems -  
Product specifications -  
Part 3-3: Singlemode optical fibre fusion splice protectors**

Organiseurs et boîtiers de fibres destinés à être utilisés dans les systèmes de communication par fibres optiques -  
Spécifications de produits -  
Partie 3-3: Protecteurs d'épissures par fusion de fibres optiques unimodales

LWL-Spleißkassetten und -Muffen für die Anwendung in LWL-Kommunikationssystemen -  
Produktnormen -  
Teil 3-3: Fusionsspleißschutze für Einmodenfasern

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

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

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## Foreword

This document (EN 50411-3-3:2011) has been prepared by CLC/TC 86BXA "Fibre optic interconnect, passive and connectorised components".

The following dates are fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
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- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2014-11-14

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**Fibre organisers and closures to be used in optical fibre communication systems -  
Product specifications**

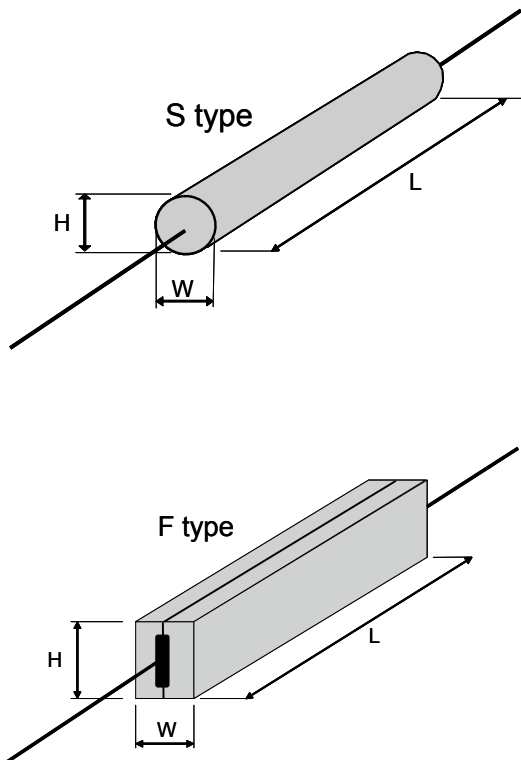
**Part 3-3: Singlemode optical fibre fusion splice protectors**

Description		Performance	
Type:	Fibre splice protector	Application:	EN 61753-1:2007, Category U
Style:	Fusion		
Operating wavelength:	1 260 nm to 1 625 nm	Attenuation grades	Maximum allowed change in attenuation $\leq \pm 0,2$ dB for 5 protected fusion splices placed in series
Fibre category	EN 60793-2-50 Type B 1.1 and B 1.3	Return loss grades	Not applicable

**Related documents:**

EN 60793-2-50	Optical fibres – Part 2-50: Product specifications – Sectional specification for class B single-mode fibres (IEC 60793-2-50)
EN 61300 series	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures (IEC 61300 series)
EN 61753-1:2007	Fibre optic interconnecting devices and passive components performance standard – Part 1: General and guidance for performance standards (IEC 61753-1:2007)

**Outline and nominal dimensions:**



Product as installed or fully recovered				
Type	Fibre	$W$ mm	$H$ mm	$L$ Available lengths mm
F1	Single fibre	1,2	3,2	30
S1-12	Single fibre	1,25	1,25	15/20/25/30
S1-13	Single fibre	1,3	1,3	15/20/25/30
S1-16	Single fibre	1,6	1,5	15/20/25/30/40
S1-22	Single fibre	2,2	2,2	25/30/35/40/45
S1-24	Single fibre	2,4	2,4	20/25/35/40/45/60
S1-26	Single fibre	2,6	2,6	35/40/45/60
S1-32	Single fibre	3,2	3,2	45/60
S1-37	Single fibre	3,7	3,7	68
S2-37	Ribbon 4	3,7	3,5	40/45
S3-40	Ribbon 8	4,0	3,7	40/45
S4-45	Ribbon 12	4,5	4,0	25/30/40/45

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