

Raychem Engineering Product Design

Product Construction: 1 Conductor Cable Shielded and Jacketed		Product Description FCE 43244		Issue B (1)
Designer Damian Tracey	Date 12.10.90.	Product Manager D.B. Towns	Date 12.10.90	Page 1 (3) of 2 DC (4)

Controlled Customer Copy (5)

UK

Specifications

Raychem WCD2015 as applicable (2)

The copyright in this drawing is the property of Raychem Limited. The drawing is issued on condition it is not copied, reproduced or disclosed to a third party either in whole or in part without prior written consent of Raychem Limited. (3)

Layer Type / Operation	Component Details <small>Part Numbers refer to issue in effect at date of issue of this EPD.</small>	Nominal O.D. mm
Components: Wire	1 of 62.5/125 OPTICAL FIBRE Colours as above	
Shield: Braid	Aramid Fibre Strength Members	1.2
Shield: Braid	Aramid Fibre Strength Members	1.5
Jacket: Extrusion 1	Zerohal* (Un-irradiated) - Black	4.2 ± 0.2
Jacket: Extrusion 2	Zerohal* (Un-irradiated) - Black	6.2 ± 0.3
	Outer jacket to have a violet stripe.	
Maximum Surface Transfer Impedance	Notes Fibre test report to be supplied with Raychem test report. (4) * - Raychem Trademark	Calculated nom. weight (Kg/Km.) 49

Lengths: Unless otherwise specified on your order this cable may be supplied in the following maximum number of continuous lengths:

Order Quantity (m) + 1 other length
100

Raychem Limited
 Faraday Road, Dorcan
 Swindon SN3 5HH
 Tel: (0793) 528171
 Telex: 449409
 Fax: (0793) 482516

Registration number
 674706 London, England
 Registered Office: Rolls House
 7 Rolls Building, Fetter Lane
 LONDON EC4A 1NH

Fibre Optic specification

Core Diameter			0.9 +/- 0.1 MM	
Numerical aperture			0.275 +/- 0.015nm	
operating wavelength			850 + 1300 nm	
Fibre proof test			0.34 GPa	
Optical performance				
Attenuation (db/km)	850nm		3.5	
	1300nm		1.2	
Bandwidth (MHZ.km)	850nm		200	
	1300nm		500	
Fibre to be dual wall with ±2um cladding tolerance				(1) (5)

Amendment 5 - CR 10002 refers to change. 5.12.95 J.C.

Amendment 4 - 8/9/94 Add test report requirement - CR0969 refers.

Amendment 3 - 12/3/93 - remove reference to uncontrolled spec - DCR0771 refers

Amendment 1 - as above - DCR 588 refers

Amendment 2 - 28/7/92 - Add specification - DCR 0681 refer.