

LR Type Approval Certificate Extension

This is to certify that Certificate No. 95/00135(E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Tyco Electronics
PLACE OF PRODUCTION	Raychem Products 300 Constitution Drive Menlo Park CA 94025 United States of America
DESCRIPTION	Raychem flame-retardant zero-halogen heat-shrinkable tubing.
TYPE	XFFR
APPLICATION	Marine, offshore and industrial applications
SPECIFIED STANDARDS	IEC60332-1 ASTM D876 IEC60754-2
SPECIFICATIONS	Temperature rating: Operating temperature range: -30°C to +105°C Minimum recovery temperature: +130°C Voltage rating: 1000V Acid gas test to IEC60754-2 Mean pH value: 5.32 Mean conductivity: 0.33µS/mm See also sheet 2

Certificate No.	95/60135(E2)
Issue Date	17 December 2002
Expiry Date	23 October 2005
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J. Croston

Type XFFR flame-retardant zero-halogen heat-shrinkable tubing.

Part number reference:

Example	XFFR	-03	X4	/NM
Description	Product family	Size	Standard length options	No Mark
Options		See table below	Standard: 4 feet and 25 feet	Leave blank when not applicable

Product dimensions (in (mm)):


Size	As supplied	Recovered	
	Inside diameter minimum (D)	Inside diameter maximum (d)	Wall thickness nominal (W)
-03	0.30 (8)	0.10 (3)	0.06 (1.5)
-04	0.40 (10)	0.15 (4)	0.06 (1.5)
-07	0.75 (19)	0.22 (6)	0.08 (2.0)
-11	1.10 (28)	0.38 (10)	0.11 (2.8)
-15	1.50 (38)	0.50 (13)	0.12 (3.0)
-20	2.00 (51)	0.75 (19)	0.12 (3.0)
-30	3.00 (76)	1.25 (32)	0.16 (4.1)
-40	4.00 (102)	1.75 (44)	0.16 (4.1)

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify LR of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. 95/60135(E2) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 95/00135(E1) to which this extension should be attached

Certificate No. 95/60135(E2)
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