

XFFR and ZHS

Halogen-free, flame-retardant, heat-shrinkable tubing

Before ordering check with factory for most current data.

Applications

XFFR and ZHS halogen-free tubing can be used for re-jacketing and repairing halogen-free cables in any enclosed area where a flame-retardant, halogen-free environment is required. These environments include tunnels, buildings, mass transit vehicles, and ships. When installed with SFTS-FR1 tape, the tubing can also be used in applications requiring water sealing and protection from abrasion and corrosion.

Features/Benefits

- Emits minimal amounts of toxic or acid gases during combustion.
- Meets performance requirements of MIL-C-24640 and MIL-C-24643 cable jackets.
- Resists moisture, fungus, and weathering.
- Available in expansion ratios as high as 3:1.
- ZHS has the following approvals:
 - ABS (American Bureau of Shipping)
 - DNV (Det Norske Veritas)
 - Lloyd's (Lloyd's Register of Shipping)

Installation

Minimum shrink temperature: 70°C
Minimum full recovery temperature: 121°C



Specifications/Approvals

Series	Military	Industry	Raychem
XFFR	MIL-C-24643	NES 713 NES 711	Nemosyne XFFR
ZHS			RW-2016

Product Dimensions (mm/in)

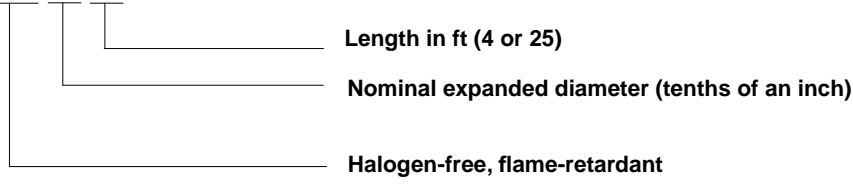
Part number	Agency approved part number	Inside diameter		Wall thickness (nom.)	
		Expanded (min.)	Recovered (max.)	Recovered (after unrestricted shrinkage)*	
XFFR-03	ZHS 8/3	7.62 (.300)	2.54 (.100)	1.52 (.060)	
XFFR-04	ZHS 10/4	10.16 (.400)	3.81 (.150)	1.52 (.060)	
XFFR-07	ZHS 19/6	19.05 (.750)	5.59 (.220)	2.03 (.080)	
XFFR-11	ZHS 28/10	27.94 (1.100)	9.52 (.375)	2.67 (.105)	
XFFR-15	ZHS 38/13	38.10 (1.500)	12.70 (.500)	3.05 (.120)	
XFFR-20	ZHS 51/19	50.80 (2.000)	19.05 (.750)	3.05 (.120)	
XFFR-30	ZHS 76/32	76.20 (3.000)	31.75 (1.250)	3.94 (.155)	

*Wall thickness will be less if tubing recovery is restricted during shrinkage.

Ordering Information

Color	Standard	Black (-0)
Size selection	XFFR:	4 and 25 feet.
	ZHS:	1.2 m, 7.5 m.
Standard packaging	Contact factory.	

XFFR -03 -25



ZHS 38/13 120 -0

