



HWFR

Flame Retarded Heavy Wall Flexible Tubing w/ Adhesive - Rated to 1000 Volts

Description

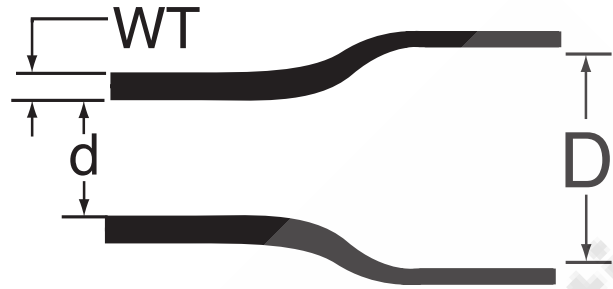
The Innovative Power Products HWFR series tubing is a heatshrinkable, flexible, flame-retarded, adhesive coated tubing for insulating and/or jacketing wire and cable connections up to 1kV. HWFR tubing is excellent for cable tray or flexible cable applications. It provides insulation thickness equal to, or greater than, NEMA or ICEA wire specifications.

HWFR is precoated with a hot melt thermoplastic adhesive that melts and flows under the heat and pressure of the shrinking tube. HWFR's adhesive provides an excellent moisture seal. It adheres to most synthetic materials, including PVC, PE, XLPE, EPR, neoprene and most metals.

HWFR's high expansion ratio provides a wide application range, so a minimum number of tubes cover a wide range of cable and connector diameters.

Related Product Information

For direct buried URD applications or wherever heavy wall semi-rigid, product is required for the application, use HWAT series tubing.



Related Product Information

HWFR: Price List PL-320

Performance

- Meets qualified to ANSI C119.1, UL 486D, CSA C22.2
- Rated to Western Underground Guide
- ICEA and NEMA insulation thickness requirements
- IEEE 383 Vertical Flame Test
- Continuous operating temperature: -55°C to 110°C

Selection and Ordering Information

Find the wire size for the application to select the correct tubing size. Confirm selection with the dimensional data. Determine the tubing length as follows: Tubing length = [Connector length + Seal lengths] + 10%. The recommended sealing lengths are: HWFR 12/3 through 40/12 = 3", HWFR 55/18 through 78/22 = 6".

Heavy Wall Catalog #	600 Volt Cable nom. AWG/kcmil	Inside Diameter		Thickness Recovered WT	Standard Lengths Available Cut length is ± 2% as supplied
		As Supplied "D"	After Recovery "d"		
HWFR 12/3	#14 - #8	0.47 (12mm)	0.118 (3mm)	.078 (2.0mm)	6(150mm), 12 (300mm), 24 (600mm), 48 (1200mm)
HWFR 20/7	#6 - #2	0.78 (20mm)	0.276 (7mm)	.098 (2.5mm)	6(150mm), 12 (300mm), 24 (600mm), 48 (1200mm)
HWFR 30/8	#2 - 4/0	1.18 (30mm)	0.315 (8mm)	.118 (3.0mm)	6(150mm), 12 (300mm), 24 (600mm), 48 (1200mm)
HWFR 40/12	1/0 - 350	1.57 (40mm)	0.473 (12mm)	.138 (3.5mm)	6(150mm), 12 (300mm), 24 (600mm), 48 (1200mm)
HWFR 55/18	350 - 500	2.15 (55mm)	0.710 (18mm)	.138 (3.5mm)	9(225mm), 12 (300mm), 24 (600mm), 48 (1200mm)
HWFR 78/22	600 - 1500	3.15 (80mm)	0.870 (22mm)	.157 (4.0mm)	12 (300mm), 24 (600mm), 48 (1200mm)
HWFR 90/30	1750 - 2500	3.54 (90mm)	1.180 (30mm)	.157 (4.0mm)	12 (300mm), 24 (600mm), 48 (1200mm)
HWFR 120/40	Not Applicable	4.72 (180mm)	1.570 (40mm)	.177 (4.5mm)	12 (300mm), 24 (600mm), 48 (1200mm)