

HV wire order

Requirements

- 36 Hybrids
- 2 conductors/hybrid
- 72 conductors
- 23 m distance between PS and flange
- 1 m distance inside vacuum between flange and FE boards
- 24 m total length
- 1728 m total length of conductors
- 5669 ft total length of conductors
- 7000 ft with spare length

Quote

Fabian Manuevo - Manco Wire

Date: 12/3/13

Name P/N2475/26

OD 1.27 mm +/-10%

Conductor 0.482 mm

Insulation: FEP (Teflon FEP)

Price: \$0.60 \$/ft 7000 ft

\$0.55 \$/ft 10000 ft

Lead time: 4 w

Cost

ft	\$/ft	Cost
7000	\$0.60	\$4,200.00

#2475 FEP High Voltage Wire

Fluorinated Ethylene Propylene (FEP) high voltage wire. This wire achieves high voltage protection due to the excellent dielectric properties of FEP and therefore has smaller diameters than other high voltage wires. FEP also has a high stress crack resistance and retains its toughness and flexibility even at higher temperatures up to 200°C. This wire is very resistant to chemicals including transformer oils. It has a low coefficient of friction, low flammability, negligible moisture absorption, and excellent resistance to ozone sunlight and weather.

- High voltages - depending on AWG size up to 30 KV DC
- High flexibility
- Excellent resistance to chemicals
- Ozone and corona resistant
- Small diameters
- Reference: MIL-W-22759
- FEP Resins meet flammability requirements of UL94V-0

This series is RoHS compliant.

Description: Stranded silver plated soft copper conductors insulated with FEP.
Operating Temperature: -65°C to +200°C

Cat. No.	AWG	Stranding	Nom. Wall		Nom. O.D.		KV DC Rating
			IN	MM	IN	MM	
2475/28	28	19/40	.0145"	.368	.044"	1.118	18
2475/26	26	19/38	.0155"	.394	.050"	1.270	20
2475/24	24	19/36	.013"	.330	.050"	1.270	18
2475/22	22	19/34	.015"	.381	.060"	1.524	20
2475/20A	20	19/32	.021"	.533	.080"	2.032	25
2475/20B	20	19/32	.031"	.787	.100"	2.540	30
2475/18	18	19/30	.041"	1.041	.130"	3.302	30

Standard Put-Ups: 1,000 feet, 500 feet, 250 feet, 100 feet if in stock only

Standard Colors: Clear or Natural, White, Black, Red, Green, Yellow, Blue, Brown, Orange, Gray, Violet.