



Amphenol TFC PowerLink® HV USA Unshielded

Performance & Design Benefits:

- Tested to ISO 19642
- Rated Voltage Max 1000VAC and Max 1500VDC
- Operating Temperature of -40°C to +150°C per ISO Temperature Class D/T4
- Flexible design for improved cable assembly routing
- Durable and resistant to flame, liquids, chemicals, ozone, water and abrasion
- Cable is designed for consistent, easy stripping and processing
- Made in the USA with domestic and imported materials
- RoHS & REACH Compliant
- PPAP available on request
- Special constructions and customization options available

PowerLink HV USA Unshielded Cable Construction:

- Stranded Bare Copper Conductor
- XLPO Cross-Linked Polyolefin Orange Insulation, 150°C (Black & Red options)

PowerLink HV USA Unshielded Cable Design Data:

Part Number	Cond. Size (mm ²)	Cond. Construction (mm)	Cond. OD (mm)	Insulation Thickness (mm)	Insulation OD (mm)	Copper Weight (kg/km)	Total Weight (kg/km)	Max DC Resistance (Ω/km)
TFC-HV-2.5U-OR	2.5	89 / 0.19	2.06	0.62	3.30	23.22	29.63	7.60
TFC-HV-04U-OR	4	140 / 0.19	2.59	0.76	4.10	36.30	46.74	4.71
TFC-HV-06U-OR	6	210 / 0.19	3.17	0.82	4.80	54.44	68.08	3.14
TFC-HV-10U-OR	10	332 / 0.19	4.23	1.01	6.25	91.13	114.89	1.82
TFC-HV-16U-OR	16	574 / 0.19	5.18	1.46	8.10	146.29	184.99	1.16
TFC-HV-25U-OR	25	874 / 0.19	6.49	1.86	10.20	227.88	289.45	0.743
TFC-HV-35U-OR	35	1235 / 0.19	7.68	1.91	11.50	318.79	392.90	0.527
TFC-HV-50U-OR	50	1767 / 0.19	9.18	2.21	13.60	455.56	557.23	0.368
TFC-HV-70U-OR	70	2432 / 0.19	10.86	2.32	15.50	634.54	759.69	0.259
TFC-HV-95U-OR	95	1672 / 0.27	12.57	2.82	18.20	865.25	1041.89	0.196
TFC-HV-120U-OR	120	2109 / 0.27	15.35	2.98	21.30	1103.76	1278.97	0.153
TFC-HV-150U-OR	150	2627 / 0.27	17.14	3.25	23.64	1374.86	1591.92	0.122

Note - Different colors are available: BK: Black, RD: Red, OR: Orange

PowerLink® HV USA power cables are in stock & available from our partner:

Amphenol TPI: <https://www.tpil.com/product/powerlink-hv-usa>