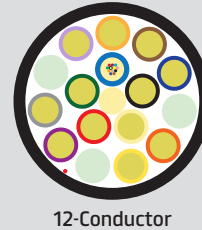
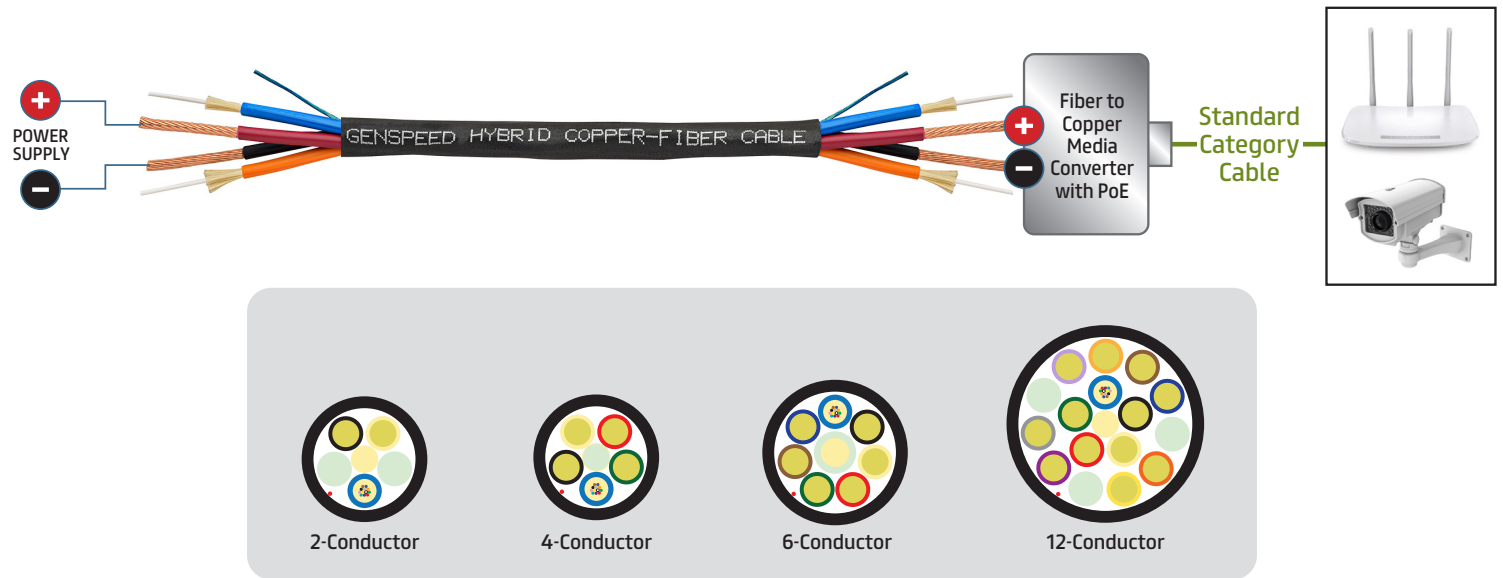


Hybrid Fiber-Copper Power Delivery

GenSPEED®

Prysmian's GenSPEED® Hybrid Fiber-Copper cable enables Power over Ethernet (PoE) applications at longer distances than using traditional category cables alone. These cables, combined with traditional four pair category cables, enable 60 Watt PDs (Powered Devices) to be supported at distances over 50 times that of standard category cables alone*. See below the maximum distances that can be supported by our current offering of GenSPEED Hybrid cables.

*Requires the use of appropriate copper/fiber media conversion devices.



Max Hybrid Cable Distance (Meters)

# of Cond.	AWG	802.3af (15.4 Watts)	802.3at (30 Watts)	802.3bt (60 Watts)
2	12	3,060	1,658	838
4	12	6,120	3,315	1,676
6	12	9,212	4,990	2,522
12	12	18,400	9,967	5,038
2	14	1,841	997	504
4	14	3,681	1,994	1,008
6	14	5,500	2,979	1,506
12	14	11,048	5,985	3,025
2	16	1,208	654	331
4	16	2,415	1,308	661
6	16	3,630	1,966	994
12	16	7,238	3,921	1,982

Assumptions
Power Supply 57 Volts @ Max 100 Watts
Indoor use: 20°C
Cable only powers one load
Media Convertor uses 1.5 Watts
12 AWG = 5.41 Ohms/km
14 AWG = 9.02 Ohms/km
16 AWG = 13.74 Ohms/km

General Cable

A Brand of Prysmian Group

Prysmian Group

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DAT-0016-0621