

Bus & Data

Chem-Gard® High Temp Profinet Cable

Chem-Gard® High Temp Profinet cable is an industrial ethernet cable designed specifically for use in high heat environments found in Steel production and Metal fabrication. Built to withstand a maximum conductor temperature of 250°C. Silver plated copper braided shield provides 90% protection against electromagnetic and radio frequency interference. The PFA jacket provides high heat resistance while offering excellent resistance against harsh chemicals.

Ratings

300V

Max Conductor Temperature: 250°C

ISO / IEC 11801 Category 5 Transmission

TIA 568-C2 CAT5E

Data Rate (100 meters): 1 Gbps

Performance Characteristics

- ✓ Excellent chemical resistance
- ✓ Oil & UV Resistant
- ✓ Bend Radius (Static): 12x cable OD
- ✓ Bend Radius (Dynamic): 15x cable OD

Engineered to Resist



Abrasion



Chemicals



High Temperature

Features & Benefits

Finely Stranded Silver-Plated Copper Conductors

Improves flex-life and reduces conductor breakage, providing excellent electrical and high heat performance.

PFA Insulation

High dielectric, tensile and mechanical properties with superior resistance to most chemicals.

Silver Plated Copper Braid Shield

Provides protection against EM and RF interference and low impedance to ground. Protects equipment and motor damage from electrical noise and 'stray voltage.'

Green PFA Jacket

Industry standard color jacket is the first line of defense against extreme temperatures, abrasion and harsh chemicals including oils, solvents and acids. Excellent resistant against cutting and abrasion.

Ordering Information

For complete product ordering information, please scan the QR Code or contact your TPC sales representative

Part No.	Configuration (AWG/Conductor Count)	Nominal O.D. (in.)	Weight per 1,000 ft. (lbs.)	Standard Cable Gland
SC253816	22AWG / 2 pair	0.277	48	55001

