

## Control/Instrumentation

# Chem-Gard® 150 Cable with Defender® Technology

Chem-Gard® 150 Cable with Defender® Technology is a high-temperature and chemical-resistant cable for control and instrumentation applications that can withstand a maximum conductor temperature of 150°C / 300°F. This control and instrumentation cable prevents the growth of 99% of bacteria, fungus and mold growth on the cable jacket. Silver ion-based additives provide built-in long-lasting protection for the life of the cable providing a solution for high standards in environments where cleanliness is crucial.



**Ratings** 600V Max Conductor Temperature 150°C Cold Temperature Rating -60°C AWM Style 2748

CSA AWM Class I/II Group A/B FT1 FT1 Flame Rating WW-1 Flame Rating

**Performance Characteristics** ✓ Bend Radius (Static): 12x Cable O.D. ✓ Bend Radius (Dynamic): 15x Cable O.D.

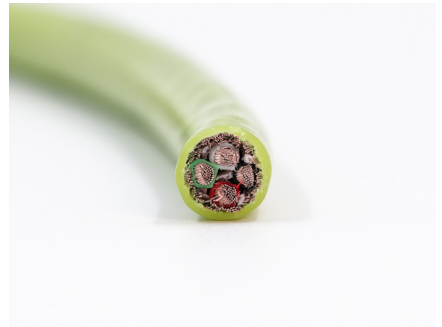
**Engineered to Resist** Abrasion High Temperature Cold Temperature Chemicals

### Features & Benefits

<p><b>Finely Stranded Tinned Copper Conductors</b></p> <p>Fine stranding improves flex-life and reduces conductor fatigue and breakage. Tinned conductors resist corrosion and are easier to solder.</p>	<p><b>Specially Compounded Fluoropolymer Insulation</b></p> <p>High dielectric, tensile, and mechanical properties. Offers superior resistance to lubricating oils, coolants, cutting oils, acids, and most chemicals.</p>	<p><b>Optional Heavy-Duty 95% Coverage Tinned Copper Braid Shield</b></p> <p>Provides protection against EM and RF interference and a low impedance path to ground. Protects equipment and motor damage from electrical noise and "stray voltage". Designed for superior performance in dynamic applications.</p>	<p><b>Specially Compounded Fluoropolymer Jacket with Unique Additives</b></p> <p>Ideal for environments where harsh chemicals are present. Superior resistance to oils, acids, solvents, and chemicals. Excellent defense against cutting and abrasion. Broad spectrum protection from bacteria, mold, and fungus.</p>
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**Ordering Information** For complete product ordering information, please scan the QR Code or contact your TPC sales representative

Part No.	Configuration AWG/Cond	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
<b>Shielded</b>					
52115	18/4	19	0.220	56	55001
52119	18/12	9	0.345	123	55002
52116	16/4	25	0.245	77	55001
52117	14/4	35	0.290	104	55001
52118	12/4	48	0.370	154	55003
<b>Unshielded</b>					
52126	16/4	25	0.225	59	55001
52129	16/8	18	0.295	115	55003
52124	14/4	35	0.270	86	55001
52127	14/8	24	0.354	165	55002
52128	12/4	48	0.335	133	55003



### Notes

\*Ampacities are based on an ambient temperature of 40°C and conductor temperature of 150°C per IEEE Standard 835 Power Cable Ampacity Table  
 \*\*Grip-Seals® Aluminum straight cable gland part number listed. Sizing based on nominal cable O.D. Due to process tolerances, a smaller/larger gland size may be required. Confirm NPT Fitting Size matches application.