

Control/Instrumentation

Trex-Onics® Individually Shielded Resolver Cable

Trex-Onics® Individually Shielded Resolver Cable is designed for use in heavy-duty industrial resolver applications and shows superior resistance against abrasion, tearing, oil, UV, and most chemicals. This control and instrumentation cable features Ultra-Shield construction, which includes a heavy-duty combination of tinned copper braid, foil shield, and tinned drain wire providing 100% protection from electromagnetic and radio frequency interference. This cable has individually twisted and shielded pairs with TPE insulated conductors, and a heavy-duty security yellow polyurethane jacket.



Ratings



300V

Max Conductor Temperature 105°C

AWM Style 20951

FT1 Flame Rating

VW-1 Flame Rating

Performance Characteristics

✓ Bend Radius (Static): 6x Cable O.D. ✓ Bend Radius (Dynamic): 8x Cable O.D.

Engineered to Resist



Features & Benefits

Finely Stranded Tinned Copper Conductors

Fine stranding improves flex-life and reduces conductor fatigue and breakage. Tinned conductors resist corrosion and are easier to solder.

Specially Compounded TPE Insulation

Resists effects of lubricating oils, coolants, cutting oils, acids, and most chemicals.

Twisted Individually Shielded Pairs Protected with Specially Compounded TPE Overcoat

Unique extruded TPE overcoat design helps maintain shield integrity on individual pairs in flexing applications.

Ultra-Shield Tinned Copper Braid Shield Plus Aluminum/Polyester Foil Shield Construction

Provides 100% protection against EM and RF interference and a low impedance path to ground. Protects equipment and motor damage from electrical noise and "stray voltage".

Specially Compounded Security Yellow TPU Jacket

Offers superior first-line defense against tearing, abrasion, impact, oil, ozone, UV exposure, and most chemicals. Flame and heat resistant. Extreme all-weather flexibility.

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**
68602	20/2 PR	8	0.305	53	55002
68603	20/3 PR	8	0.315	66	55002
68604	20/4 PR	7	0.350	83	55002
68606	20/6 PR	5	0.410	117	55004
68607	20/7 PR	5	0.410	125	55004
68609	20/9 PR	5	0.500	189	55005
68702	22/2 PR	6	0.275	43	55002
68703	22/3 PR	6	0.300	52	55002
68704	22/4 PR	5	0.315	62	55002
68706	22/6 PR	4	0.370	86	55002
68707	22/7 PR	4	0.370	92	55002
68709	22/9 PR	4	0.450	138	55004
68802	24/2 PR	6	0.275	33	55002
68803	24/3 PR	6	0.265	42	55002
68804	24/4 PR	5	0.300	48	55002
68806	24/6 PR	4	0.330	64	55002
68807	24/7 PR	4	0.330	68	55002
68809	24/9 PR	4	0.400	97	55004



Notes

*Ampacities are based on 30°C ambient and 90°C conductor temperature. These values are to be used as a guideline and may vary according to the actual cable application.

**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.