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Enduro**FLEX**ERP

Exposed-Run Power Tray Cable

Power Without Pipe

Northwire Technical Cable provides rugged Enduro**FLEX**® ERP (Exposed-Run Power) Tray Cable that allows you to take advantage of changes to NFPA 79-2002, allowing exposed runs of electrical power cable. Enduro**FLEX** ERP cordage permits open-wire runs with no code-defined distance limit between the cable tray and the equipment. No more expensive and cumbersome conduit. And no hard-to-install metal-clad cable.

Dual Rating. Dual Versatility.

Durable Enduro**FLEX** ERP cable is STOOW listed, approved for portable cordage as allowed by NEC, including power trunk/drop configurations. Connectors may be applied, and outdoor-rated Enduro**FLEX** ERP cable meets oil resistance I and II standards.

Northwire Enduro**FLEX** ERP

- Dual-rated STOOW and TC/exposed run
- Reduces installation costs by eliminating conduits; no power tools required
- Can be used with connectors to speed installation and maintenance
- Oil, water and sunlight resistant
- Passes -40°C cold bend test
- Rugged crush- and impact-resistant construction
- 3- and 4-conductor versions – sizes from 18 AWG to 8 AWG
- UL listed and recognized to UL 1277, 600V
- Meets UL vertical tray and CSA FT-4 flame resistance standards

EnduroFLEX® ERP Tray Cable Specifications

| EnduroFlex ERP TC-Exposed Run / ST00W 600V | | | | | | |
|--|--------------------|-----------|---------------------------------------|----------------------|-----------------------|----------------------|
| Part Number | AWG/ Conductors | Stranding | Nominal Insulation Wall Thickness | Outer Jacket Wall | Cable O.D. | Max. Current Amps |
| FTC83-001 | 8/3 | 7x19x29 | 0.060" ± 0.005" (1.524 ± 0.127 mm) | 0.110" (2.794 mm) | 0.870" (22.098 mm) | 55 |
| FTC83-001 | 8/4 | 7x19x29 | 0.045" ± 0.005" (1.143 ± 0.127 mm) | 0.125" (3.175 mm) | 1.000" (25.400 mm) | 55 |
| FTC103-001 | 10/3 | 105x30 | 0.045" ± 0.005" (1.143 ± 0.127 mm) | 0.095" (2.413 mm) | 0.680" (17.272 mm) | 40 |
| FTC104-001 | 10/4 | 105x30 | 0.045" ± 0.005" (1.143 ± 0.127 mm) | 0.095" (2.413 mm) | 0.750" (19.050 mm) | 40 |
| FTC123-001 | 12/3 | 65x30 | 0.045" ± 0.005" (1.143 ± 0.127 mm) | 0.095" (2.413 mm) | 0.625" (15.875 mm) | 30 |
| FTC124-001 | 12/4 | 65x30 | 0.045" ± 0.005" (1.143 ± 0.127 mm) | 0.095" (2.413 mm) | 0.690" (17.526 mm) | 30 |
| FTC143-001 | 14/3 | 41x30 | 0.045" ± 0.005" (1.143 ± 0.127 mm) | 0.080" (2.032 mm) | 0.545" (13.483 mm) | 25 |
| FTC144-001 | 14/4 | 41x30 | 0.045" ± 0.005" (1.143 ± 0.127 mm) | 0.080" (2.032 mm) | 0.600" (15.240 mm) | 25 |
| FTC163-001 | 16/3 | 26x30 | 0.030" ± 0.005" (0.762 ± 0.127 mm) | 0.060" (1.524 mm) | 0.390" (9.906 mm) | 18 |
| FTC164-001 | 16/4 | 26x30 | 0.030" ± 0.005" (0.762 ± 0.127 mm) | 0.060" (1.524 mm) | 0.423" (10.744 mm) | 18 |
| FTC183-001 | 18/3 | 16x30 | 0.030" ± 0.005" (0.762 ± 0.127 mm) | 0.060" (1.524 mm) | 0.410" (10.414 mm) | 14 |
| FTC184-001 | 18/4 | 16x30 | 0.030" ± 0.005" (0.762 ± 0.127 mm) | 0.060" (1.524 mm) | 0.450" (11.430 mm) | 14 |

| EnduroFlex ERP Specification | |
|--------------------------------|--|
| Conductor Material | BC—Bare Copper |
| Insulation Type / Material | 8-14 AWG: THWN-2; 16-18 AWG: TFFN PVC / Nylon |
| Conductor Colors | 1-Wh, 2-Bk, 3-Gn, 4-Rd |
| Fillers / Separator | Paper / Tissue paper |
| Outer Shield | Unshield |
| Outer Jacket Material / Color | Oil-resistant PVC / Gray |
| Operating Temperature Range | -40°C to +105°C (see UL spec below) |
| Max. Operating Voltage—UL | 600V RMS |
| Dielectric Withstand Voltage | 1500V AC applied for 1 min. per NEC article 392.11 |
| NEC / UL Specification | (UL) TC-ER 90°C dry, 75°C wet 600V oil res I & II or ST00W -40 to +105°C; sunlight resistant, water resistant, UL 1277 recognized for Tray Cable – direct support requirements; complies with NFPA 79-2002 Exposed Run |
| UL Flame Test / CSA Flame Test | Meets UL Vertical Tray / FT-4 |

Northwire **DIRECT**

EnduroFLEX ERP Tray Cable is available for fast delivery from stock. Visit www.northwiredirect.com and order online today!



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