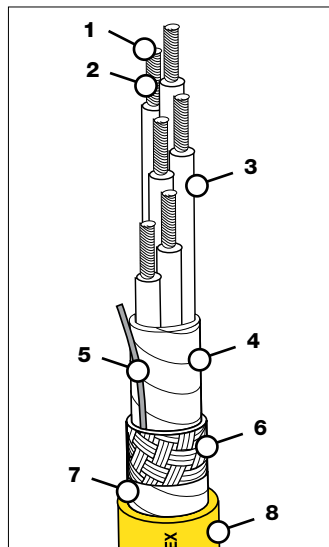


Trex-Onics® Overall Shielded Continuous Flex Multi-Conductor Cable

- UL Recognized in the U.S. and Canada
- 600 V
- MSHA Approved
- Operating Temperature Range -40°C to 105°C
- CSA
- RoHS Compliant
- FT-1 Flame Rating
- VW-1 Flame Rating

Designed for industrial applications, Trex-Onics® Overall Shielded Continuous Flex Multi-Conductor Cable is constructed with FEP insulation, FEP overwrap, heavy-duty tinned copper braid and a polyurethane jacket. It shows superior resistance from abrasion, tearing, oil, ozone, UV and most chemicals.



FEATURES & BENEFITS

1. BUNCH STRANDED SOFT DRAWN COPPER —

Longer flex life in flexing and twisting applications.

2. FINELY STRANDED TINNED COPPER

CONDUCTORS — Improves flexibility and extends flex life.

3. FLUOROPOLYMER INSULATION —

Offers superior resistance to oil, solvents and chemicals. Provides high dielectric capability, mechanical strength and cut resistance.

4. FLUOROPOLYMER OVER-WRAP —

Acts as a flex-facilitator, allowing the conductors to slide smoothly under the braid shield in dynamic applications. Protects the conductors from abrasion, improving flex life.

5. FLAT TINNED DRAIN WIRE

6. ULTRA-SHIELD CONSTRUCTION, A HEAVY-DUTY TINNED COPPER BRAID —

Shielding provides a minimum of 85% protection from EM and RF interference in addition to superior mechanical strength in industrial applications.

7. WOVEN NYLON TAPE —

Improves flexibility, allows the conductor bundle to move easily within the jacket for longer flex life.

8. SECURITY YELLOW HEAVY-DUTY

POLYURETHANE TPE JACKET — Provides superior first-line defense against industrial and environmental abuse. Resists tearing, abrasion, oil, ozone and most chemicals. UV resistant.

ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

PART NO.	CABLE AWG/COND	STRANDING NO./AWG	AMPACITY ¹	DRAIN WIRE	NOMINAL O.D. (IN)	INSULATION THICK (IN)	WT. (LBS) PER 1000'
61609	24/9	19/36	4.9	24 AWG	0.300	0.010	51
61606	24/6	19/36	5.6	24 AWG	0.255	0.010	41
61604	24/4	19/36	5.6	24 AWG	0.225	0.010	32
61602	24/2	19/36	7.0	24 AWG	0.210	0.010	28
61526	20/26	26/34	4.9	22 AWG	0.500	0.010	196
61524	20/24	26/34	4.9	22 AWG	0.495	0.010	192
61518	20/18	26/34	5.5	22 AWG	0.430	0.010	148
61512	20/12	26/34	5.5	22 AWG	0.375	0.010	110
61509	20/9	26/34	7.7	22 AWG	0.360	0.010	89
61506	20/6	26/34	8.8	22 AWG	0.290	0.010	68
61502	20/2	26/34	11.0	22 AWG	0.235	0.010	40
61465	18/65	41/34	4.9	20 AWG	0.980	0.010	628
61449	18/49	41/34	4.9	20 AWG	0.875	0.010	496
61433	18/33	41/34	5.6	20 AWG	0.615	0.010	322
61424	18/24	41/34	6.3	20 AWG	0.560	0.010	265
61418	18/18	41/34	7.0	20 AWG	0.485	0.010	210
61412	18/12	41/34	7.0	20 AWG	0.415	0.010	145
61409	18/9	41/34	9.8	20 AWG	0.400	0.010	110
61406	18/6	41/34	11.2	20 AWG	0.320	0.010	88
61404	18/4	41/34	11.2	20 AWG	0.280	0.010	58
61403	18/3	41/34	14.0	20 AWG	0.265	0.010	54
61402	18/2	41/34	14.0	20 AWG	0.250	0.010	50
61731	16/31	65/34	7.2	20 AWG	0.655	0.010	412
61725	16/25	65/34	8.0	20 AWG	0.640	0.010	360
61719	16/19	65/34	9.0	20 AWG	0.575	0.010	286
61712	16/12	65/34	9.0	20 AWG	0.465	0.010	185
61709	16/9	65/34	12.6	20 AWG	0.435	0.010	158
61705	16/5	65/34	14.4	20 AWG	0.360	0.010	110
61703	16/3	65/34	18.0	20 AWG	0.290	0.010	85
61340	14/10	105/34	12.5	20 AWG	0.515	0.010	260

NOTE: (1) 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.

Portable Cords
Power Cables
(600 Volt to 35 kV)
Welding Cables
VFD/Servo
Motor Cables
Reeling Cables
Control Cables/
Instrumentation
Bus Cables
Flat Festoon
Cables
Retractable Coil
Cables
Chemical & Temp.
Resistant Cables
High Temperature
Cables
Igniter Cables
Thermocouple
Extension Wires
Engineered
Custom Cables

Trex-Onics® Overall Shielded Continuous Flex Multi-Conductor Cable *(Continued)*

APPLICATIONS

- Cable Carriers
 - Computer Interface
 - Digital Remote Control
 - Heat, Pressure & Flow Meters
- Instrumentation
 - Load Cell Monitors
 - Programmable Controllers
 - Proximity Switches
- Programmable Limit Switches
 - Robotic Applications
 - Servo Motors
 - Tachometers
- Telecommunications
 - Torque-Tool Monitoring Equipment
 - Variable Speed Motors

COLOR CODE			
NO.	COLOR	NO.	COLOR
1	Black	34.	Black/White/Orange
2	White	35.	White/Red/Orange
3	Red	36.	Orange/White/Blue
4	Green	37.	White/Red/Blue
5.	Orange	38.	Black/White/Green
6.	Blue	39.	White/Black/Green
7.	White/Black	40.	Red/White/Green
8.	Red/Black	41.	Green/White/Blue
9.	Green/Black	42.	Orange/Red/Green
10.	Orange/Black	43.	Blue/Red/Green
11.	Blue/Black	44.	Black/White/Blue
12.	Black/White	45.	White/Black/Blue
13.	Red/White	46.	Red/White/Blue
14.	Green/White	47.	Green/Orange/Red
15.	Blue/White	48.	Orange/Red/Blue
16.	Black/Red	49.	Blue/Red/Orange
17.	White/Red	50.	Black/Orange/Red
18.	Orange/Red	51.	White/Black/Orange
19.	Blue/Red	52.	Red/Orange/Black
20.	Red/Green	53.	Green/Red/Blue
21.	Orange/Green	54.	Orange/Black/Blue
22.	Black/White/Red	55.	Blue/Black/Orange
23.	White/Black/Red	56.	Black/Orange/Green
24.	Red/Black/White	57.	White/Orange/Green
25.	Green/Black/White	58.	Red/Orange/Green
26.	Orange/Black/White	59.	Green/Black/Blue
27.	Blue/Black/White	60.	Orange/Green/Blue
28.	Black/Red/Green	61.	Blue/Green/Orange
29.	White/Red/Green	62.	Black/Red/Blue
30.	Red/Black/Green	63.	White/Orange/Blue
31.	Green/Black/Orange	64.	Red/Black/Blue
32.	Orange/Black/Green	65.	Green/Orange/Blue
33.	Blue/White/Orange		

ELECTRICAL SPECIFICATIONS

AWG	NOMINAL IMPEDANCE (PER 1,000 FT)	NOMINAL CAPACITANCE (COND-COND)	NOMINAL CAPACITANCE (COND-SHIELD)
24	69	24	42.5
	69	24	42.5
	69	24	42.5
	69	24	42.5
20	53	31.5	56
	53	31.5	56
	53	31.5	56
	53	31.5	56
	53	31.5	56
	53	31.5	56
18	47	35	62
	47	35	62
	47	35	62
	47	35	62
	47	35	62
	47	35	62
	47	35	62
16	37.5	44	79.2
	37.5	44	79.2
	37.5	44	79.2
	37.5	44	79.2
	37.5	44	79.2
	37.5	44	79.2
	37.5	44	79
61340	35	46	80

These values are to be used as a guideline and may vary according to the actual cable application.



CHEMICAL RESISTANCE OF COMMON INSULATING MATERIALS

CHEMICAL	RUBBER	SILICONE	FLUOROPOLYMER
Oxidation Resistance	Fair	Excellent	Outstanding
Oil Resistance	Poor	Fair-Good	Outstanding
UV Resistance	Fair	Outstanding	Outstanding
Water Resistance	Good	Good-Excellent	Excellent
Acid Resistance	Fair-Good	Fair-Good	Excellent
Alkali Resistance	Fair-Good	Fair-Good	Excellent
Gasoline Kerosene	Poor	Poor-Fair	Excellent
Benzol Toluene	Poor	Poor	Excellent
Degreaser Solvent	Poor	Poor-Good	Excellent
Alcohol Resistance	Good	Good	Excellent