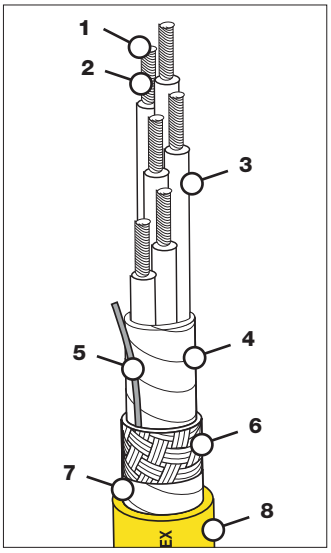
Trex-Onics® Overall Shielded Continuous Flex Multi-Conductor Cable

• UL Recognized • CSA • 600 V • RoHS Compliant • MSHA Approved • Max Conductor Temperature 105°C — UL • Operating Temperature Range -40°C to 105°C

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 *(Call for pricing & availability)*

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.

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		

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

ELECTRICAL SPECIFICATIONS

PART NO.	NOMINAL IMPEDANCE (PER 1,000 FT)	NOMINAL CAPACITANCE (COND–COND)	NOMINAL CAPACITANCE (COND–SHIELD)
61609	69	24	42.5
61606	69	24	42.5
61604	69	24	42.5
61602	69	24	42.5
61524	53	31.5	56
61518	53	31.5	56
61512	53	31.5	56
61509	53	31.5	56
61506	53	31.5	56
61502	53	31.5	56
61424	47	35	62
61418	47	35	62
61412	47	35	62
61409	47	35	62
61406	47	35	62
61404	47	35	62
61402	47	35	62
61731	37.5	44	79.2
61725	37.5	44	79.2
61719	37.5	44	79.2
61712	37.5	44	79.2
61709	37.5	44	79.2
61705	37.5	44	79.2
61703	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.