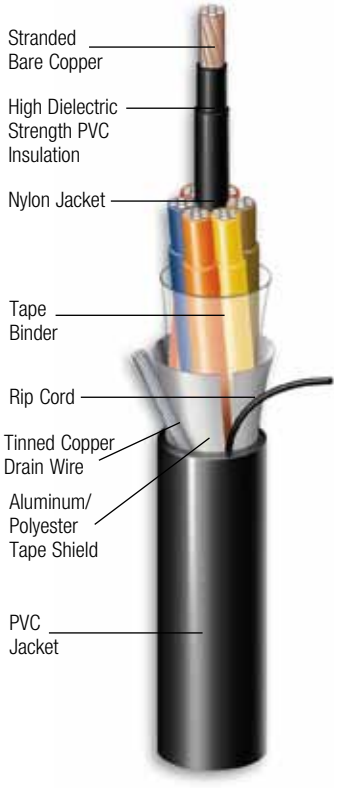


Note: Stranding for 18 AWG is Class K

ENGINEERING SPECIFICATIONS:

Listed E-179429

Standards:

Underwriters Laboratories Standards UL-1277, UL-62
ASTM Stranding Class B3, B8, B787
NFPA 70: National Electrical Code, NEC Article 336 & 392
NEMA WC 57/ICEA 5-73-532
UL 1685-FT4/IEEE 1202 (70,000 Btu/hr) Flame Test
ICEA T-29-520 (210,000 Btu/hr) Flame Test
ARRA 2009; Section 1605 "Buy American" Compliant

CONSTRUCTION:

Conductors:

Stranded, uncoated copper conductors per ASTM-B3, ASTM-B787 and ASTM-B8

Conductor Insulation:

High dielectric strength, heat and moisture-resistant, colored Polyvinyl Chloride (PVC) rated for continuous at 90ºC dry, 75ºC wet to meet UL-62 requirements for Type TFFN or TFN wire.

Ground Conductor:

18 AWG tinned copper drain wire

Applications:

Primarily used for connecting power devices in an industrial environment. Suitable for installation in channels, ducts, wireways, cable trays, and conduits. Approved for direct burial in wet or dry locations and outdoors in cable trays where sunlight-resistant rating is required. This Type TC tray cable complies with the crush and impact requirements of Type MC cable and is identified for such use with the marking Type TC–ER. Installation shall be permitted between a cable tray and the utilization equipment or device. The cable shall be secured at intervals not exceeding 1.8 m (6 ft). Approved for Class I Division II Hazardous Locations.

Assembly:

The insulated conductors are cabled together with or without fillers as required to form a round compact core. An aluminum shield is applied over the entire assembly prior to jacketing. A Drain Wire made of tinned copper per ASTM B-33 is applied next to aluminum shielding. Nylon rip-cord is supplied for easy stripping.

Color Coding:

Color-coded insulation with ICEA Method 1 with printed number

Overall Jacket:

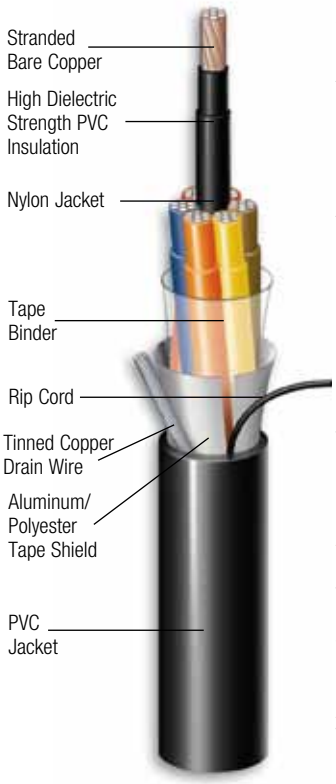
A flame retardant sunlight resistant black PVC jackets is applied over shielded core. Sunlight Resistant overall jacket available in all colors by request.

Type TC-Control Or Instrumentation-Shielded 18 AWG W/18 AWG Drain Wire 600V

Size (AWG)	Number of Conductors	Outer Jacket Thickness PVC (in)	Outsid e Diameter (in)	Approximate Net Weight (lbs/ 1000 ft)	Standard Packaging
	2	0.045	0.282	51	1000' 5000' reels
	3	0.045	0.305	61	1000' 5000' reels
	4	0.045	0.320	70	1000' 5000' reels
	5	0.045	0.338	80	1000' 5000' reels
	6	0.045	0.357	89	1000' 5000' reels
	7	0.045	0.377	99	1000' 5000' reels
	8	0.045	0.397	109	1000' 5000' reels
	9	0.045	0.418	118	1000' 5000' reels
	10	0.045	0.438	128	1000' 5000' reels
	11	0.045	0.458	138	1000' 5000' reels
	12	0.045	0.469	147	1000' 5000' reels
18 AWG	13	0.045	0.480	155	1000' 5000' reels
	14	0.060	0.520	184	1000' 5000' reels
	15	0.060	0.531	193	1000' 5000' reels
	16	0.060	0.541	202	1000' 5000' reels
	17	0.060	0.552	212	1000' 5000' reels
	18	0.060	0.563	221	1000' 5000' reels
	19	0.060	0.572	230	1000' 5000' reels
	20	0.060	0.582	239	1000' 5000' reels
	21	0.060	0.592	248	1000' 5000' reels
	22	0.060	0.602	257	1000' 5000' reels
	23	0.060	0.612	266	1000' 5000' reels
	24	0.060	0.621	275	1000' 5000' reels

The above data is approximate and subject to normal manufacturing tolerances.
For ampacities see Table 310.15(B)(16) of the NEC.

PRINT LEGEND: ENCORE WIRE CORPORATION 18 AWG/(NO. OF CONDUCTORS) SHIELDED TYPE TC-ER SUN-RES 600 VOLTS DIR-BUR (UL) DATE/TIME/OPER/QC.



Note: Stranding for 18 AWG is Class K

ENGINEERING SPECIFICATIONS:

Listed E-179429

Standards:

Underwriters Laboratories Standards UL-1277, UL-62
ASTM Stranding Class B3, B8, B787
NFPA 70: National Electrical Code, NEC Article 336 & 392
NEMA WC 57/ICEA 5-73-532
UL 1685-FT4/IEEE 1202 (70,000 Btu/hr) Flame Test
ICEA T-29-520 (210,000 Btu/hr) Flame Test
ARRA 2009; Section 1605 "Buy American" Compliant

CONSTRUCTION:

Conductors:

Stranded, uncoated copper conductors per ASTM-B3, ASTM-B787 and ASTM-B8

Conductor Insulation:

High dielectric strength, heat and moisture-resistant, colored Polyvinyl Chloride (PVC) rated for continuous at 90ºC dry, 75ºC wet to meet UL-62 requirements for Type TFFN or TFN wire.

Ground Conductor:

16 AWG tinned copper drain wire

Applications:

Primarily used for connecting power devices in an industrial environment. Suitable for installation in channels, ducts, wireways, cable trays, and conduits. Approved for direct burial in wet or dry locations and outdoors in cable trays where sunlight-resistant rating is required. This Type TC tray cable complies with the crush and impact requirements of Type MC cable and is identified for such use with the marking Type TC–ER. Installation shall be permitted between a cable tray and the utilization equipment or device. The cable shall be secured at intervals not exceeding 1.8 m (6 ft). Approved for Class I Division II Hazardous Locations.

Assembly:

The insulated conductors are cabled together with or without fillers as required to form a round compact core. An aluminum shield is applied over the entire assembly prior to jacketing. A Drain Wire made of tinned copper per ASTM B-33 is applied next to aluminum shielding. Nylon rip-cord is supplied for easy stripping.

Color Coding:

Color-coded insulation with ICEA Method 1 with printed number

Overall Jacket:

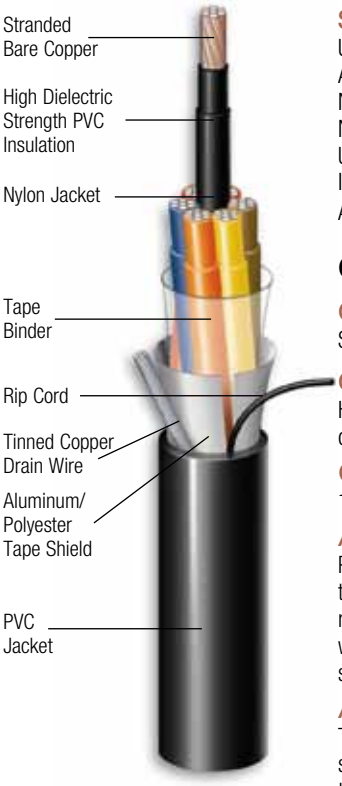
A flame retardant sunlight resistant black PVC jackets is applied over shielded core. Sunlight Resistant overall jacket available in all colors by request.

Type TC-Control or Instrumentation-Shielded 16 AWG W/ 16 AWG Drain Wire 600V

Size (AWG)	Number of Conductors	Outer Jacket Thickness PVC (in)	Outsid e Diameter (in)	Approximate Net Weight (lbs/ 1000 ft)	Standard Packaging
	2	0.045	0.310	62	1000' 5000' reels
	3	0.045	0.337	76	1000' 5000' reels
	4	0.045	0.353	88	1000' 5000' reels
	5	0.045	0.374	101	1000' 5000' reels
	6	0.045	0.396	113	1000' 5000' reels
	7	0.045	0.419	126	1000' 5000' reels
	8	0.045	0.442	139	1000' 5000' reels
	9	0.045	0.466	152	1000' 5000' reels
	10	0.045	0.489	165	1000' 5000' reels
	11	0.045	0.512	178	1000' 5000' reels
	12	0.045	0.525	190	1000' 5000' reels
16 AWG	13	0.045	0.537	202	1000' 5000' reels
	14	0.060	0.579	235	1000' 5000' reels
	15	0.060	0.591	248	1000' 5000' reels
	16	0.060	0.603	260	1000' 5000' reels
	17	0.060	0.615	272	1000' 5000' reels
	18	0.060	0.628	285	1000' 5000' reels
	19	0.060	0.639	297	1000' 5000' reels
	20	0.060	0.650	309	1000' 5000' reels
	21	0.060	0.661	322	1000' 5000' reels
	22	0.060	0.673	334	1000' 5000' reels
	23	0.060	0.684	346	1000' 5000' reels
	24	0.060	0.695	358	1000' 5000' reels

The above data is approximate and subject to normal manufacturing tolerances.
For ampacities see Table 310.15(B)(16) of the NEC.

PRINT LEGEND: ENCORE WIRE CORPORATION 16 AWG/(NO. OF CONDUCTORS) SHIELDED TYPE TC-ER SUN-RES 600 VOLTS DIR-BUR (UL) DATE/TIME/OPER/QC.



ENGINEERING SPECIFICATIONS:

Listed E-179429

Standards:

Underwriters Laboratories Standards UL-1277, UL-83
ASTM Stranding Class B3, B8, B787
NFPA 70: National Electrical Code, NEC Article 336 & 392
NEMA WC 57/ICEA 5-73-532
UL 1685-FT4/IEEE 1202 (70,000 Btu/hr) Flame Test
ICEA T-29-520 (210,000 Btu/hr) Flame Test
ARRA 2009; Section 1605 "Buy American" Compliant

CONSTRUCTION:

Conductors:

Stranded, uncoated copper conductors per ASTM-B3, ASTM-B787 and ASTM-B8

Conductor Insulation:

High dielectric strength, heat and moisture-resistant, colored Polyvinyl Chloride (PVC) rated for continuous at 90ºC dry or wet to meet UL-83 requirements for Type THHN or THWN-2 wire.

Ground Conductor:

16 AWG tinned copper drain wire

Applications:

Primarily used for connecting power devices in an industrial environment. Suitable for installation in channels, ducts, wireways, cable trays, and conduits. Approved for direct burial in wet or dry locations and outdoors in cable trays where sunlight-resistant rating is required. This Type TC tray cable complies with the crush and impact requirements of Type MC cable and is identified for such use with the marking Type TC–ER. Installation shall be permitted between a cable tray and the utilization equipment or device. The cable shall be secured at intervals not exceeding 1.8 m (6 ft). Approved for Class I Division II Hazardous Locations.

Assembly:

The insulated conductors are cabled together with or without fillers as required to form a round compact core. An aluminum shield is applied over the entire assembly prior to jacketing. A Drain Wire made of tinned copper per ASTM B-33 is applied next to aluminum shield. Nylon rip-cord is supplied for easy stripping.

Color Coding:

Color-coded insulation with ICEA Method 1 with printed number

Overall Jacket:

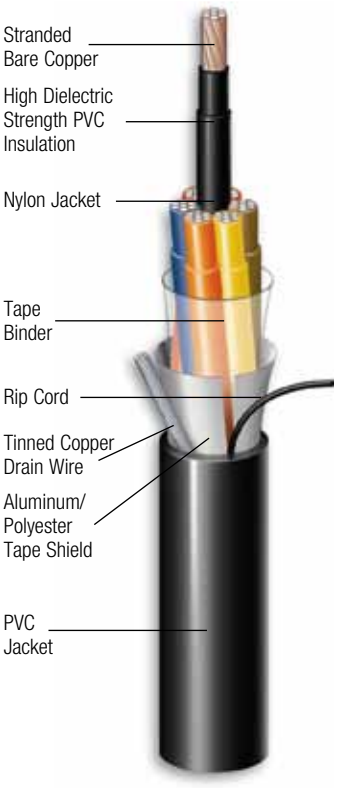
A flame retardant sunlight-resistant black PVC jackets is applied over shielded core. Sunlight-resistant overall jacket available in all colors by request.

Type TC-Control or Instrumentation-Shielded 14 AWG W/ 16 AWG Drain Wire 600V

Size (AWG)	Number of Conductors	Outer Jacket Thickness PVC (in)	Outsid e Diameter (in)	Approximate Net Weight (lbs/ 1000 ft)	Standard Packaging
	2	0.045	0.328	82	1000' 5000' reels
	3	0.045	0.356	101	1000' 5000' reels
	4	0.045	0.374	120	1000' 5000' reels
	5	0.045	0.397	139	1000' 5000' reels
	6	0.045	0.420	157	1000' 5000' reels
	7	0.045	0.445	177	1000' 5000' reels
	8	0.045	0.470	196	1000' 5000' reels
	9	0.045	0.495	215	1000' 5000' reels
	10	0.045	0.520	234	1000' 5000' reels
	11	0.045	0.546	253	1000' 5000' reels
	12	0.045	0.559	271	1000' 5000' reels
14 AWG	13	0.045	0.572	289	1000' 5000' reels
	14	0.060	0.615	329	1000' 5000' reels
	15	0.060	0.628	348	1000' 5000' reels
	16	0.060	0.641	366	1000' 5000' reels
	17	0.060	0.655	385	1000' 5000' reels
	18	0.060	0.668	403	1000' 5000' reels
	19	0.060	0.680	422	1000' 5000' reels
	20	0.060	0.692	440	1000' 5000' reels
	21	0.060	0.704	458	1000' 5000' reels
	22	0.060	0.716	477	1000' 5000' reels
	23	0.080	0.768	533	1000' 5000' reels
	24	0.080	0.780	551	1000' 5000' reels

The above data is approximate and subject to normal manufacturing tolerances.
For ampacities see Table 310.15(B)(16) of the NEC.

PRINT LEGEND: ENCORE WIRE CORPORATION 14 AWG/(NO. OF CONDUCTORS) SHIELDED TYPE TC-ER SUN-RES 600 VOLTS DIR-BUR (UL) DATE/TIME/OPER/QC.



ENGINEERING SPECIFICATIONS:

Listed E-179429

Standards:

Underwriters Laboratories Standards UL-1277, UL-83
ASTM Stranding Class B3, B8, B787
NFPA 70: National Electrical Code, NEC Article 336 & 392
NEMA WC 57/ICEA 5-73-532
UL 1685-FT4/IEEE 1202 (70,000 Btu/hr) Flame Test
ICEA T-29-520 (210,000 Btu/hr) flame test
ARRA 2009; Section 1605 "Buy American" Compliant

CONSTRUCTION:

Conductors:

Stranded, uncoated copper conductors per ASTM-B3, ASTM-B787 and ASTM-B8

Conductor Insulation:

High dielectric strength, heat and moisture-resistant, colored Polyvinyl Chloride (PVC) rated for continuous at 90ºC dry or wet to meet UL-83 requirements for Type THHN or THWN-2 wire.

Ground Conductor:

16 AWG tinned copper drain wire

Applications:

Primarily used for connecting power devices in an industrial environment. Suitable for installation in channels, ducts, wireways, cable trays, and conduits. Approved for direct burial in wet or dry locations and outdoors in cable trays where sunlight-resistant rating is required. This Type TC tray cable complies with the crush and impact requirements of Type MC cable and is identified for such use with the marking Type TC–ER. Installation shall be permitted between a cable tray and the utilization equipment or device. The cable shall be secured at intervals not exceeding 1.8 m (6 ft). Approved for Class I Division II Hazardous Locations.

Assembly:

The insulated conductors are cabled together with or without fillers as required to form a round compact core. An aluminum shield is applied over the entire assembly prior to jacketing. A Drain Wire made of tinned copper per ASTM B-33 is applied next to aluminum shielding. Nylon rip-cord is supplied for easy stripping.

Color Coding:

Black insulation with ICEA Method 1 with printed number

Overall Jacket:

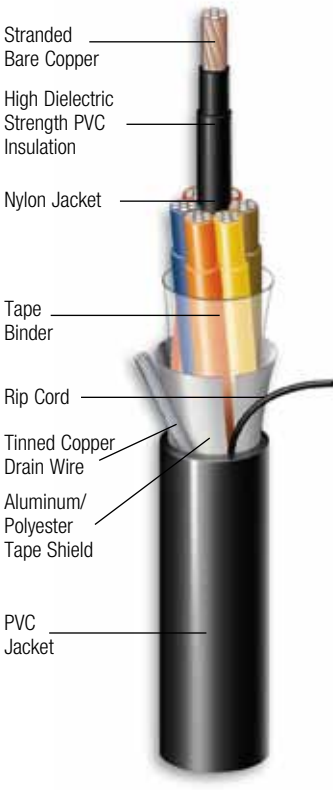
A flame retardant sunlight-resistant black PVC jackets is applied over shielded core. Sunlight-resistant overall jacket available in all colors by request.

Type TC-Control or Instrumentation-Shielded 12 AWG W/ 16 AWG Drain Wire 600V

Size (AWG)	Number of Conductors	Outer Jacket Thickness PVC (in)	Outsid e Diameter (in)	Approximate Net Weight (lbs/ 1000 ft)	Standard Packaging
	2	0.045	0.366	106	1000' 5000' reels
	3	0.045	0.399	133	1000' 5000' reels
	4	0.045	0.420	158	1000' 5000' reels
	5	0.045	0.447	185	1000' 5000' reels
	6	0.060	0.504	230	1000' 5000' reels
	7	0.060	0.533	257	1000' 5000' reels
	8	0.060	0.562	285	1000' 5000' reels
	9	0.060	0.592	312	1000' 5000' reels
	10	0.060	0.621	339	1000' 5000' reels
	11	0.060	0.650	366	1000' 5000' reels
	12	0.060	0.666	392	1000' 5000' reels
12 AWG	13	0.060	0.681	418	1000' 5000' reels
	14	0.060	0.696	443	1000' 5000' reels
	15	0.060	0.712	469	1000' 5000' reels
	16	0.060	0.727	495	1000' 5000' reels
	17	0.080	0.782	559	1000' 5000' reels
	18	0.080	0.798	585	1000' 5000' reels
	19	0.080	0.812	611	1000' 5000' reels
	20	0.080	0.826	637	1000' 5000' reels
	21	0.080	0.840	663	1000' 5000' reels
	22	0.080	0.854	689	1000' 5000' reels
	23	0.080	0.868	715	1000' 5000' reels
	24	0.080	0.882	742	1000' 5000' reels

The above data is approximate and subject to normal manufacturing tolerances.
For ampacities see Table 310.15(B)(16) of the NEC.

PRINT LEGEND: ENCORE WIRE CORPORATION 12 AWG/(NO. OF CONDUCTORS) SHIELDED TYPE TC-ER SUN-RES 600 VOLTS DIR-BUR (UL) DATE/TIME/OPER/QC.



ENGINEERING SPECIFICATIONS:

Listed E-179429

Standards:

Underwriters Laboratories Standards UL-1277, UL-83
ASTM Stranding Class B3, B8, B787
NFPA 70: National Electrical Code, NEC Article 336 & 392
NEMA WC 57/ICEA 5-73-532
UL 1685-FT4/IEEE 1202 (70,000 Btu/hr) Flame Test
ICEA T-29-520 (210,000 Btu/hr) Flame Test
ARRA 2009; Section 1605 "Buy American" Compliant

CONSTRUCTION:

Conductors:

Stranded, uncoated copper conductors per ASTM-B3, ASTM-B787 and ASTM-B8

Conductor Insulation:

High dielectric strength, heat and moisture-resistant, colored Polyvinyl Chloride (PVC) rated for continuous at 90ºC dry or wet to meet UL-83 requirements for Type THHN or THWN-2 wire.

Ground Conductor:

16 AWG tinned copper drain wire

Applications:

Primarily used for connecting power devices in an industrial environment. Suitable for installation in channels, ducts, wireways, cable trays, and conduits. Approved for direct burial in wet or dry locations and outdoors in cable trays where sunlight-resistant rating is required. This Type TC tray cable complies with the crush and impact requirements of Type MC cable and is identified for such use with the marking Type TC–ER. Installation shall be permitted between a cable tray and the utilization equipment or device. The cable shall be secured at intervals not exceeding 1.8 m (6 ft). Approved for Class I Division II Hazardous Locations.

Assembly:

The insulated conductors are cabled together with or without fillers as required to form a round compact core. An aluminum shield is applied over the entire assembly prior to jacketing. A Drain Wire made of tinned copper per ASTM B-33 is applied next to aluminum shielding. Nylon rip-cord is supplied for easy stripping.

Color Coding:

Color-coded insulation with ICEA Method 1 with printed number.

Overall Jacket:

A flame retardant sunlight resistant black PVC jackets is applied over shielded core. Sunlight Resistant overall jacket available in all colors by request.

Type TC-Control or Instrumentation-Shielded 10 AWG W/ 16 AWG Drain Wire 600V

Size (AWG)	Number of Conductors	Outer Jacket Thickness PVC (in)	Outsid e Diameter (in)	Approximate Net Weight (lbs/ 1000 ft)	Standard Packaging
	2	0.045	0.438	154	1000' 5000' reels
	3	0.045	0.479	195	1000' 5000' reels
	4	0.045	0.505	236	1000' 5000' reels
	5	0.060	0.569	297	1000' 5000' reels
	6	0.060	0.603	339	1000' 5000' reels
	7	0.060	0.640	381	1000' 5000' reels
	8	0.060	0.677	423	1000' 5000' reels
	9	0.060	0.714	465	1000' 5000' reels
	10	0.080	0.791	546	1000' 5000' reels
	11	0.080	0.828	590	1000' 5000' reels
	12	0.080	0.847	630	1000' 5000' reels
10 AWG	13	0.080	0.866	671	1000' 5000' reels
	14	0.080	0.885	712	1000' 5000' reels
	15	0.080	0.905	753	1000' 5000' reels
	16	0.080	0.924	794	1000' 5000' reels
	17	0.080	0.943	834	1000' 5000' reels
	18	0.080	0.963	875	1000' 5000' reels
	19	0.080	0.980	916	1000' 5000' reels
	20	0.080	0.998	957	1000' 5000' reels
	21	0.080	1.016	997	1000' 5000' reels
	22	0.080	1.034	1038	1000' 5000' reels
	23	0.080	1.052	1079	1000' 5000' reels
	24	0.080	1.069	1119	1000' 5000' reels

The above data is approximate and subject to normal manufacturing tolerances.
For ampacities see Table 310.15(B)(16) of the NEC.

PRINT LEGEND: ENCORE WIRE CORPORATION 10 AWG/(NO. OF CONDUCTORS) SHIELDED TYPE TC-ER SUN-RES 600 VOLTS DIR-BUR (UL) DATE/TIME/OPER/QC.