

1000V FLEXIBLE MOTOR SUPPLY
600V TRAY CABLE
UL TYPE TC-ER



Variable Frequency Drive (VFD)
XLPE INSULATION – COPOLYMER JACKET
TINNED COPPER BRAID
Multi-Conductor Shielded Cable

CONSTRUCTION:

(3) STRANDED TINNED COPPER CIRCUIT CONDUCTORS PLUS (1) FULL SIZE INSULATED GROUND WIRE (4/C CABLE) PLUS DOUBLE SIDED ALUMINUM FOIL TAPE SHIELD PLUS (1) FULL SIZE DRAIN WIRE UNDER SHIELD TAPE PLUS TINNED COPPER BRAID (85%) OVER SHIELD TAPE JACKET
> CIRCUIT CONDUCTORS: SIZE PER TABLE, XLPE INSULATION, BLACK W/PRINTED NUMBERS
> GROUND WIRE: SAME SIZE AS CIRCUIT COND. ; PVC INSULATION - GREEN W/YELLOW STRIPE
> DRAIN WIRE: SAME SIZE AS CIRCUIT CONDUCTORS, SEGMENTED AND SYMMETRICAL FOR 8 AWG AND LARGER ; NUMBER SIZE AND STRAND PER TABLE; UNDER FOIL TAPE
> FOIL TAPE: DOUBLE SIDED ALUMINUM FOIL TAPE, POLYESTER REINFORCED FOR STRENGTH
> BRAID: TINNED COPPER, 85% COVERAGE; OVER FOIL TAPE
> COPOLYMER JACKET

APPLICATIONS:

APPROVED FOR DIRECT BURIAL, FREE AIR OR RACEWAYS, IN WET OR DRY LOCATIONS, SUNLIGHT RESISTANT, -40°C UL COLD BEND, OIL I & II, CLASS 1 DIV 2, RATED 90°C WET OR DRY, UL 1000 VOLTS FLEXIBLE MOTOR SUPPLY CABLE
> UL 2277; 1000 VOLT RMS FLEXIBLE MOTOR SUPPLY CABLE; WTTTC
> UL 1277; 600 VOLT RMS TYPE TC-ER UNLISTED SINGLES
> CSA SPECIFICATION: 1000V AWM I/II A/B
> NEC ARTICLE 336 - ER

COMPLIANCE:

INDUSTRY: UL 1277 TYPE TC-ER, UL 2277 FLEXIBLE MOTOR SUPPLY and WTTTC; UL 44, UL 1581, ICEA S-73-532/NEMA WC-57, ICEA S-95-658/ NEMA WC-70, NEC ARTICLE 336. PERMITTED FOR USE IN CLASS 1 DIVISION 2 FOR HAZARDOUS AREAS, OIL RES I & II -40°C UL COLD BEND. FLAME TESTS: UL1277, UL1685, UL1581 VW-1, IEEE 1202, CSA

PRINT:

TAPPAN W & C E135319 (UL) TYPE TC-ER XX/C XX/ AWG XLPE CDRS 90C WET OR DRY 600V DIR. BUR. SUN. RES. -40C UL COLD BEND OIL I & II CLASS 1 DIV 2 c(UL) FT-4 VFD 1000V FLEXIBLE MOTOR SUPPLY CABLE MADE IN USA

SEQUENTIAL FOOTAGE MARKINGS. COLOR CODE - BLACK WITH PRINTED NUMBERS

YMER JACKET, FOIL & BRAID SHIELD

TAPPAN SPEC #	NO. OF COND. INCLUDING INS. GROUND	COND. AWG	COND. STRAND	INSULATION THICKNESS	NO. OF DRAIN WIRES	DRAIN WIRE AWG AND STRAND	NOMINAL O.D. INCHES	NET WEIGHT PER MFT
VARIABLE FREQUENCY DRIVE CABLE WITHOUT BRAKE PAIR								
H91949.1	4	16	26/30	.045"	1	16-(26/30)	0.535	164
H91950.1	4	14	41/30	.045"	1	14 (41/30)	0.575	229
H91870.1	4	12	65/30	.045"	1	12 (65/30)	0.630	247
H91951.1	4	10	105/30	.045"	1	10 (105/30)	0.721	354
H91954.1	4	8	7 x 19 x 29	.060"	4	14 (41/30)	0.928	658
H91957.1	4	6	7 x 19 x 27	.060"	4	12 (65/30)	1.009	902
H91960.1	4	4	7 x 19 x 25	.060"	4	10 (105/30)	1.164	1244
H91963.1	4	2	7 x 19 x 23	.060"	4	8 (133/29)	1.322	1772

Weights and dimensions are nominal and are subject to applicable industry tolerances.
Picture representative of product family.

1000V FLEXIBLE MOTOR SUPPLY /
600V TRAY CABLE
UL TYPE TC-ER



Variable Frequency Drive (VFD)
XLPE-COPOLYMER JACKET - COPPER TAPE SHIELD
Multi-Conductor, Shielded Cable



CONSTRUCTION:

3/C CLASS B STRANDED TINNED COPPER, CROSS-LINKED POLYETHYLENE INSULATION PRIMARIES, CABLED WITH THREE STRANDED BARE COPPER GROUNDS, .005" BARE COPPER TAPE SHIELD (50% OVERLAP), RIPCORD, BLACK FLAME RETARDANT COPOLYMER JACKET.

APPLICATIONS:

APPROVED FOR DIRECT BURIAL, FREE AIR OR RACEWAYS, IN WET OR DRY LOCATIONS, SUNLIGHT RESISTANT, -40°C UL COLD BEND, OIL I & II, CLASS 1, DIV 2, RATED 90°C WET OR DRY, UL 1000 VOLTS FLEXIBLE MOTOR SUPPLY CABLE

- > UL 2277; 1000 VOLT RMS FLEXIBLE MOTOR SUPPLY CABLE
- > UL 1277; 600 VOLT RMS TYPE TC-ER XHHW-2 LISTED SINGLES
- > CSA SPECIFICATION: 600V AWM I/II A/B
- > NEC ARTICLE 336 -ER

COMPLIANCE:

INDUSTRY: UL 1277 TYPE TC-ER, UL 2277 FLEXIBLE MOTOR SUPPLY. UL 44, UL 1581, ICEA S-73-532/NEMA WC-57, ICEA S-95-658/ NEMA WC-70, NEC ARTICLE 336. PERMITTED FOR USE IN CLASS 1 DIVISION 2 FOR HAZARDOUS AREAS, OIL I & II. FLAME TESTS: UL1277, UL1685, UL1581 VW-1, IEEE 1202, CSA FT-4. RATED OIL RESISTANT, SUNLIGHT RESISTANT, DIRECT BURIAL, -40°C UL COLD BEND

PRINT:

TAPPAN W & C E135319 (UL) TYPE TC-ER XX/ C XX/ AWG XLPE CDRS 90C WET OR DRY 600V DIR. BUR. SUN. RES. -40C UL COLD BEND OIL I & II CLASS 1 DIV 2 c(UL) FT-4 VFD 1000V FLEXIBLE MOTOR SUPPLY CABLE MADE IN USA

SEQUENTIAL FOOTAGE MARKINGS. COLOR CODE - BLACK WITH PRINTED NUMBERS

XLPE PRIMARIES & COPOLYMER JACKET, COPPER TAPE SHIELD

TAPPAN SPEC #	NO. OF COND.	COND. AWG	COND. STRAND	GROUND WIRE AWG AND STRAND	INSULATION THICKNESS INCHES	JACKET THICKNESS INCHES	NOMINAL O.D. INCHES	NET WEIGHT PER MFT
VARIABLE FREQUENCY DRIVE CABLE WITHOUT BRAKE PAIR								
CONSULT FACTORY	3	14	7	3 x 18-7	0.031	0.060	0.58	265
	3	12	7	3 x 16-7	0.031	0.060	0.60	301
	3	10	7	3 x 14-7	0.031	0.060	0.62	340
	3	8	7	3 x 12-7	0.046	0.060	0.65	425
	3	6	7	3 x 10-7	0.046	0.060	0.73	515
	3	4	7	3 x 8-7	0.046	0.080	0.87	770
	3	2	7	3 x 6-7	0.046	0.080	0.93	1120

Weights and dimensions are nominal and are subject to applicable industry tolerances.
Picture representative of product family.