

TRAY CABLES

VFD XLPE 2KV TR Type TC Variable frequency drive shielded tray cable with three ground wires, type TC-ER, 2 kV



VFD XLPE 2KV TR is designed for use in Variable Frequency Drive (VFD) applications and rated up to 2000 V. It is a power cable used to supply power to motors or for connection to other power devices in industrial settings. Primary installations include cable trays and raceways as well as outdoor locations where supported by a messenger wire. VFD XLPE 2KV TR is listed for direct burial or in underground ducts and for use in Class 1, Division 2 hazardous locations and Class 1 control circuits. This cable may be used in wet or dry locations at temperatures not to exceed 90°C.

Construction:

Conductor:	uncoated annealed copper strands acc. to ASTM B-3 and B-8
Insulation:	special formulated crosslinked PE
Color code:	black conductors with numbers with three ground wires
Stranding:	in layers with three uninsulated bare ground wires in the filler
Screen:	uncoated 5 mil copper tape shield with 50% overlap
Jacket material:	special sunlight resistant and flame retardant PVC
Jacket color:	black

Outstanding features:

- Interconnection of variable frequency drive control device to variable frequency motors
- RHH or RHW-2: UL Standard 44
- TC-ER: UL Standard 1277
- IEEE 1202/FT4
- Three bare ground wires for optimal performance

Technical data:

Voltage:	(UL): 2000 V
Testing voltage U:	conductor/conductor 7500 V conductor/screen 3000 V
Min. bending radius:	15 x O.D.
Temperature:	(UL): up to +90°C <i>static:</i> -25°C
Burning characteristics:	(UL) FT4 / IEEE 1202
Sunlight resistance:	yes
Moisture resistance:	yes
Exposed Run:	yes
Direct Burial:	yes
Absence of harmful substances:	acc. to RoHS directive of the European Union

item no.	AWG MCM	ground wire n x AWG	nominal outer-ø inch ± 10%	mm ± 10%	cable weight ≈ lbs/mft
• 08690203	1 / 3c	3 x 8	1.266	32.2	1425
• 08691103	1/0 / 3c	3 x 6	1.418	36.0	1822
• 08692103	2/0 / 3c	3 x 6	1.512	38.4	2596
• 08693103	3/0 / 3c	3 x 5	1.624	41.2	2633
• 08694103	4/0 / 3c	3 x 4	1.810	46.0	3251
• 08692503	250 / 3c	3 x 2	1.978	50.2	3664
• 08693503	350 / 3c	3 x 2	2.199	55.9	4967
• 08695003	500 / 3c	3 x 1	2.483	63.1	6699

Other dimensions and colors are possible on request.