



POWER KABEL INC.

VFD TRAY CABLE 4C PVC NYLON INSULATION SHIELDED TYPE TC-ER PVC JACKET 1KV TEMP RANGE -25°C to +90°C

APPLICATIONS & FEATURES

A flexible and durable cable for use on variable frequency motor drive systems in various industries such as automotive, pulp and paper, and petrochemical. Cable is rated 600Volts 90Degrees C in dry locations, 75Degrees C in wet locations, sunlight resistant, and suitable for direct burial. May be used in general purpose VFD applications. Per NEC Articles 336 and 392, approved for installation 1) in raceway and cable tray systems, and 2) in hazardous locations per Article 501 Class 1 Division 2.

INDUSTRY COMPLIANCES

UL Standard 1277 for Type TC Cables.

NEC Articles 336 and 392 for Tray Cable Uses and Constructions

1000Volts Motor Supply Cable

CSA AWM I/II A/B.

TC-ER rated cables comply with crush and impact requirements of MC cable

CONSTRUCTION

CONDUCTORS:	FLEXIBLE STRAND TINNED COPPER
INSULATION:	PVC WITH NYLON JACKET.
SHIELDING:	ALUMINUM/MYLAR FOIL WITH TINNED DRAIN IS APPLIED OVER THE TWISTED CONDUCTOR ASSEMBLY; TINNED COPPER BRAID IS APPLIED OVER THE FOIL AND DRAIN.
JACKET:	SUNLIGHT RESISTANT, FLAME RETARDANT BLACK PVC PER UL 1277, WHICH PROTECTS AGAINST HEAT, FLAME, CHEMICALS, AND MOISTURE

AWG	NUMBER OF CONDUCTORS	STRANDS	OUTSIDE DIAMETER (INCHES)	POUNDS PER 1000 FT
18	4	19	.40"	110
16	4	26	.46"	126
14	4	41	.50"	135
12	4	65	.57"	185
10	4	105	.69"	282
8	4	168	.89"	460
6	4	266	1.00"	630
4	4	413	1.19"	920
2	4	665	1.40"	1350

All values are nominal and subject to correction.