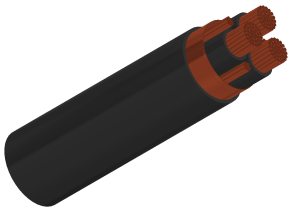
Caledonian

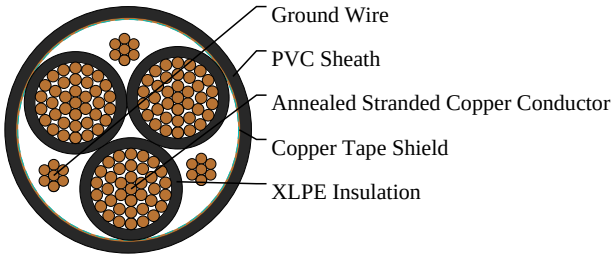
VFD Cable

www.caledonian-cables.com marketing@caledonian-cables.com

Type TC VFD power cable

3C500AWG+3C1AWG Ground Wires





APPLICATIONS

These cables are used to supply power to motors, or for connection to other power devices in industrial settings. Primary installations include cable trays, raceways, and outdoor locations where supported by a messenger wire. Type TC - VFD 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.

CABLE CONSTRUCTION

Conductor: Class B stranded, uncoated annealed copper conforming to ASTM B-3 and B-8.
Insulation: Each conductor is insulated with black Crosslinked Polyethylene(XLPE) conforming to UL Standard 44 for Type RHH/RHW-2.
Ground Wires: Three Class B stranded annealed copper conforming to ASTM B-3 and B-8
Filler: Non-hygroscopic fillers.
Shield:5mil un-coated copper tape is helically wrapped over the twisted assembly with a 50% (nominal) overlap.The shield shall be in contact with the ground wire.
Sheath: Black, flame retardant Polyvinyl Chloride (PVC).

COLOUR CODE

Each conductor is black and printed with its conductor number.

PHYSICAL AND THERMAL PROPERTIES

Rated voltage – 600/2000 Volt
CSA – FT-4
TC-ER – 600 Volt
Rated temperature – 90C

DIMENSION AND PARAMETERS

No. of Conductor	AWG Size	Conductor Stranding	Nominal Insulation Thickness	Ground Wire	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Weight	Ampacity 75°C	Ampacity 90°C
			in	AWG	in	in	LBS/MFT	amps	amps

3	500	37	0.105	1	0.11	2.4	6689	380	430