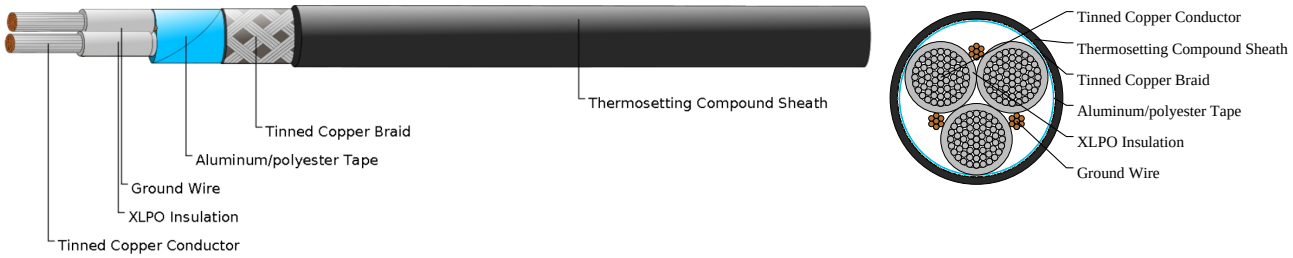
Caledonian

VFD Cable

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

VFD Power Cable, Crush & Impact Resistant

3C646AWG+3C4AWG Ground Wires



APPLICATIONS

These 2kV power cables specifically engineered for use in variable frequency AC motor drive (VFD) applications. Suitable for use in Class I, Division 2 and Zone 2 environments.

VOLTAGE RATING

2kV

CABLE CONSTRUCTION

Conductor: Soft annealed flexible stranded tinned copper per ASTM B-33.
Insulation: Chemically cross-linked, non-chlorinated flame retardant polyolefin meeting the requirements per UL 1277.
Filler: Non-hygroscopic filler tape.
Shield :Overall tinned copper braid plus aluminum/polyester tape providing 100% coverage.
Sheath: Crush & impact resistant, flame retardant, oil abrasion, chemical and sunlight resistant thermoplastic compound meeting UL 1277.

COLOUR CODE

Color Gray with printed phase I.D.

PHYSICAL AND THERMAL PROPERTIES

Maximum conductor temperature: + 90°C
Flame-retardant: IEEE 1202/FT-4
DC Resist.@25°C:0.02 Ohms/1000Ft.
AC Resist.@90°C,60 Hz:0.028 Ohms/1000Ft.
Voltage Drop at 90°C:0.065 V/A/1000Ft.
IEEE Ampacity at 90°C: 474
NEC Ampacity at 90°C: 494
IEEE Ampacity at 75°C: 396
NEC Ampacity at 75°C: 438

DIMENSION AND PARAMETERS

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No. of Conductor	AWG Size	Ground Wire	Approx. Overall Diameter	Cable Weight
		AWG	in	Lbs./Kft
3	646	3x4	2.898	9368