Caledonian

VFD Cable

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

VFD-Shielded Power Cable with Brake & Signal Pairs

4C10AWG+1P16AWG



APPLICATIONS

These high performance VFD cables are for dynamic industrial applications that reduces the effects of electrical noise and corona discharge, while providing a low impedance path to ground to eliminate the potential damage.

CABLE CONSTRUCTION

Power Cores:
Conductor: Stranded fine copper conductor.
Insulation: Oil resistant composite material, provide high dielectric, tensile and mechanical properties.

Brake & Signal Pairs:
Conductor: Stranded copper conductor,16AWG,65/34.
Insulation: Oil resistant composite material.
Shield: 100% coverage aluminum/mylar foil with drain wire,18AWG.
Sheath: Oil resistant composite material, provide high dielectric, tensile and mechanical properties.

Assembly:
Fillers: Low friction, non-wicking fillers provide increased flexibility in dynamic applications.
Drain wire: Flat braid drain wire.
Braid: 100% coverage aluminum foil, overall 80% coverage tinned copper braid.
Outer sheath: Special TPE compound, oil, ozone, UV resistant, flame and heat resistant. All-weather flexibility.

COLOUR CODE

Power Cores:3 black cores+1 yellow/green.
Brake & Signal Pairs: Black and white with printed numbers.

PHYSICAL AND THERMAL PROPERTIES

CSA – 1000 Volt
CSA – FT-4
TC-ER – 600 Volt

Caledonian

VFD Cable

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

Rated temperature – 90C

DIMENSION AND PARAMETERS

No. of Cores	AWG Size	Conductor Stranding	Drain Wire Size	Nominal Sheath Thickness	Approx. Overall Diameter	Ampacity	Cable Weight
			AWG	in	in	amps	Lbs./Kft
4	10	105/30	14	0.07	0.76	40	420