

SERIES
361S

Low capacity VFD 3xG cables, AWM

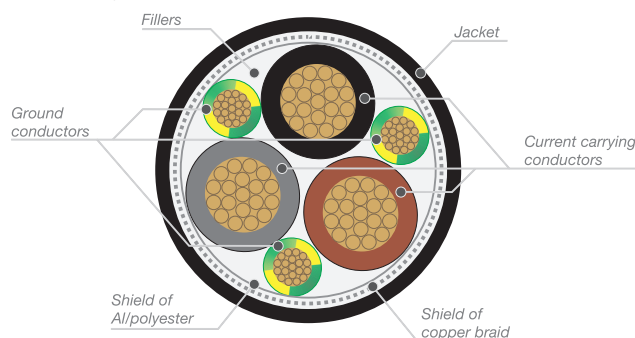
Fixed application, shielded



Use

These are low capacitance servo motor (Variable Frequency Driver) cables planned for fixed application but also for occasional non-cyclical mobile uses. They are normally used wherever the potential for electromagnetic interference due to drives, frequency converter and motor is high. These cables are different than the traditional ones for their constructive peculiarities, including the double screen, the compounds used for the insulation and the constructive geometry. It is thanks to these and many other factors that this range of cables is able to ensure a low operational capacity, to limit overvoltage peaks which often cause damage to connected equipment and, not least, a consequent reduction of the losses. These cables are produced to meet the requirements of the European (EC), North American and Canadian markets. The metric marked on the jacket allows an easier processing and installation of the cable.

Information. An additional UL certified cut-to-length service is carried out on request ("Processed Wire").



Technical data

Characteristics	Value/property
Conductor	Flexible copper strand, class 5
Insulation	TKblend®-YP
Conductor distinction	3 wires gray, black, brown + 3 wires yellow/green (acc. to DIN VDI 0293)
Fillers	Central or side fillers, if any
Shield	Aluminum/polyester foil, coverage 100% + Tinned copper braid
Jacket	PVC compound, oil-resistant, black or RAL 7001 gray color on request. Metric marking.
Temperature range	+90°C (IEC), +80°C (UL/CSA) -40°C (fixed); -5°C (not fixed)
Voltage rating	1000 V (UL-CSA), 600/1000V (IEC)
Test voltage	6000 V
Bending radius	4 x cable outer diameter (fixed) 15 x cable outer diameter (not fixed)
Standards of construction	Flame res.: IEC 60332-1-2, IEC 60332-3-24, NBN C30-004 cat. F2, UL VW-1, CSA FT1 UV res.: UNI EN ISO 4892-3 (gray), UNI EN ISO 4892-2 (black) Oil res.: DIN EN 50290-2-22, VDE 0819-102 Other: CEI EN 60228, DIN VDE 0295, IEC 60228, DIN VDE 0293, UL 758, CSA AWM I/II A/B, cURus AWM Style 2570, Low Voltage, Directive (LVD) 2006/95/EC
Standards of use	ANSI/NFPA 79, UL 508a, CSA C22.1 (CE Code), CSA C22.2 No.286, Style 2570

Marking

TEKIMA 0361S – CE VFD (3x2,5+3G0,5) mm² 90°C 600/1000 V IEC 60332-1-2 – c(UR)us E314444 AWM Style 2570 (3x14+3x21) AWG 80°C 1000 V AWM Class I/II A/B – (prod. reference) = (metric) =

Coding and dimensions

Code	Num. conductors x size [AWG/kcmil]	Num. conductors x size [mm ²]	Diameter [mm (inch)]	Weight [kg/km (lb/mft)]
CVFM0015_0361S_NE	(3x16+3G24)	(3x1,5+3G0,25)	8,7 (0.343)	117 (79)
CVFM0001_0361S_NE	(3x14+3G21)	(3x2,5+3G0,5)	10,1 (0.398)	168 (113)
CVFM0002_0361S_NE	(3x12+3G19)	(3x4+3G0,75)	11,3 (0.445)	228 (153)
CVFM0003_0361S_NE	(3x10+3G18)	(3x6+3G1)	12,4 (0.488)	302 (203)
CVFM0004_0361S_NE	(3x8+3G16)	(3x10+3G1,5)	15,2 (0.598)	470 (316)
CVFM0005_0361S_NE	(3x8+3G14)	(3x16+3G2,5)	18,3 (0.720)	719 (483)
CVFM0006_0361S_NE	(3x4+3G12)	(3x25+3G4)	22,5 (0.886)	1089 (732)
CVFM0007_0361S_NE	(3x2+3G10)	(3x35+3G6)	25,5 (1.004)	1467 (986)
CVFM0008_0361S_NE	(3x1+3G8)	(3x50+3G10)	30,8 (1.213)	2130 (1431)
CVFM0009_0361S_NE	(3x2/0+3G8)	(3x70+3G10)	36,1 (1.421)	2828 (1900)
CVFM0010_0361S_NE	(3x3/0+3G6)	(3x95+3G16)	41,0 (1.614)	3844 (2583)
CVFM0011_0361S_NE	(3x4/0+3G6)	(3x120+3G16)	43,8 (1.724)	4556 (3061)
CVFM0012_0361S_NE	(3x250+3G4)	(3x150+3G25)	48,7 (1.917)	5811 (3905)
CVFM0013_0361S_NE	(3x350+3G2)	(3x185+3G35)	54,2 (2.134)	7226 (4856)
CVFM0014_0361S_NE	(3x450+3G1)	(3x240+3G50)	61,4 (2.417)	9478 (6369)

Code composition

CVFM □ □ □ □ _0361S_ □ □

Construction

Identifier code of the special cable construction.

Color	To be inserted
Gray	GR
Black	NE