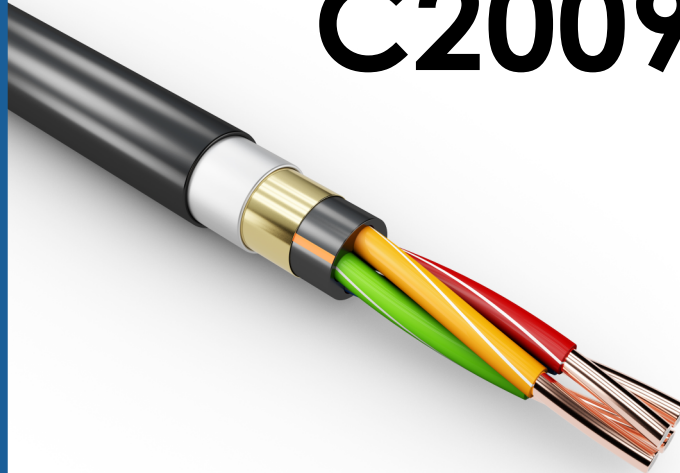




GENVOLT

Multi Conductor Cable

C2009-01



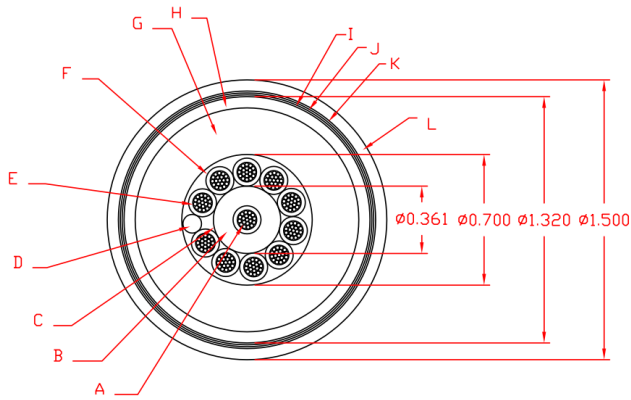
High Voltage
Multi Conductor Cable



C2009-01

300kV_{DC} / 100kV_{AC} / PAPER/OIL DIELECTRIC / (1,10,1) CONDUCTOR SHIELDED

CONSTRUCTION



KEY

- A. #12 AWG (19x#25) TIN PLATED COPPER, FEP INSULATED TO Ø0.345
- B. OIL IMPREGNATED PAPER TAPES TO Ø0.345
- C. 2x 0.004 SEMICON PAPER TAPES
- D. #10 AWG (105 x #30) TIN PLATED COPPER
- E. #12 AWG (19 x #25) TIN PLATED COPPER, FEP INSULATED TO Ø0.150 TYPICAL 10 PLCS
- F. 0.005 BRONZE TAPE INTERCALATED WITH PAPER AND 2 x 0.004 SEMICON PAPER TAPES
- G. OIL IMPREGNATED PAPER TAPES TO Ø1.200
- H. POLYETHYLENE SHEATH TO Ø1.320
- I. 2 x 0.005 METALIZED PAPER TAPES
- J. 2 x 0.003 COPPER TAPES, INTERCALATED
- K. 2 x 0.03 MYLAR TAPES
- L. POLYETHYLENE JACKET, BLACK TO Ø1.500

TECHNICAL INFORMATION

Voltage		Conductor size					Semicon Diameter		Dielectric Insulation			
DC kV	AC kV	No. of Cond	AWG	Strands	Insulation	Voltage Rating kV		Inches	cm	Material	Diameter	
						DC					Inches	cm
300	100	1	#10	105/30 TC	N/A	N/A		0.700	1.780	Paper/Oil	1.320	3.350
		10	#12	19/25 TC	FEP	1.5						
		1	#12	19/25 TC	FEP	20					Paper/Oil	0.361

Shield				Jacket Material	Outside Diameter		Impedance ohms	Capacitance pF/ft
Construction	AWG Equiv	Coverage %	Semicon		Inches	cm		
0.003 CU Tapes	#2	100	tape	HD PE	1.5	3.81	22	75
								26

Minimum Bend Radius		Minimum Ambient Temp		Maximum Conductor Temp		Weight	
Inches	cm	°F	°C	°F	°C	lb/ft	kG/m
24.00	60.96	-60	-51	160	71	1.200	1.788

GLOBAL PRESENCE



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