

Shielded HV Cables

10kV - 60kVDC Voltage Capability



High Voltage Products. High Voltage Experts

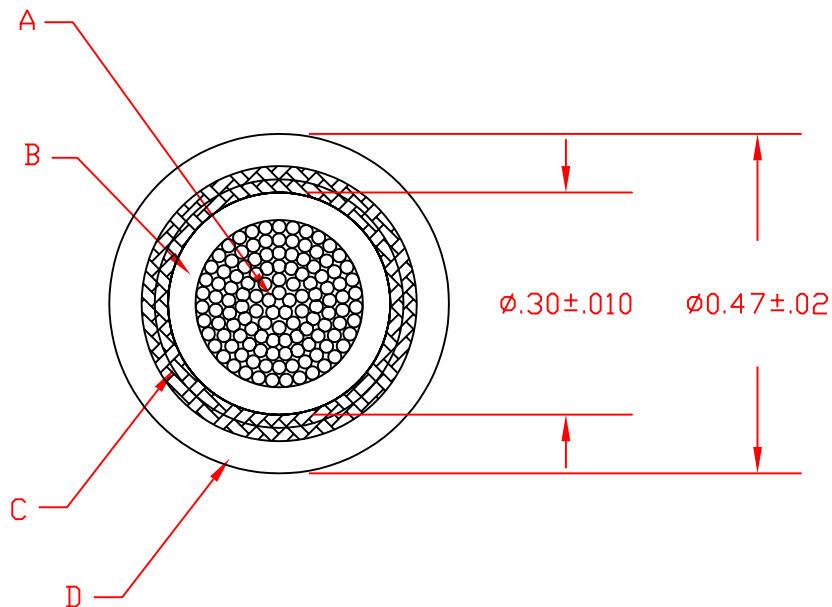
Overview

HVP offer a standard range of shielded high voltage cables rated up to 300kVDC, as well as bespoke options. Dielectric materials including silicone, FEP & Polyethylene are available, with many featuring a semi conductive layer to deliver low partial discharge and an AC rating. A selection of custom shielding and jacketing options are available to deliver mechanical protection, electrical return and an electro-magnetic screen to suit specific applications.



HV Cables 10-60kV

Rated Voltage (kV)		Part Number	Conductor Size			Semicon. Ø (mm)	Dielectric Material	Shield		Jacket Material	Outside Ø (mm)	Min. Bend Radius (mm)	Max. T (°C)
DC	AC		AWG	mm ²	Ø (mm)			AWG (equ.)	Coverage (%)				
10	-	2232	6	13.30	5.30	n/a	LDHMW PE	6	95	TPR	11.94	152	60
10	-	2164	11	5.95	7.90	n/a	LDHMW	9	93	LDHMW PE	12.83	36	60
10	-	2167	6	13.30	18.30	n/a	LDHMW	7	95	LDHMW PE	25.78	356	60
13	5	2075S J	12	3.31	2.30	3.40	Silicone	18	90	-	10.67	25	200
15	-	2139SVJ	8	8.37	4.20	n/a	Silicone	12	95	PVC	9.65	51	60
20	-	2168	8	8.37	5.80	7.10	LDHMW PE	9	90	LDHMW PE	14.38	178	60
25	-	2157-R1	2	33.62	17.30	n/a	LDHMW PE	3	90	LDHMW PE	29.08	381	60
25	-	2255	00	108.90	15.50	16	EPR	-	-	PU	39.37	635	130
25	-	2245	11	4.00	9.40	n/a	LDHMW PE	9	93	LDHMW PE	15.75	203	71
25	-	2250	6	13.50	15.20	n/a	LDHMW PE	6	80	LDHMW PE	28.96	305	71
30	-	2215STJ	16	1.31	1.50	n/a	Silicone	15	83	TPR	10.41	25	121
40	15	2012S J	18	0.83	1.30	2.30	Silicone	18	82	-	10.67	25	200
50	17	2032S J	16	1.31	1.50	2.50	Silicone	17	90	-	11.94	25	200
50	17	2107	1	44.21	8.30	9.90	EPR	10	-	PVC	25.40	127	121
60	20	2024S J	12	3.31	2.30	3.40	Silicone	15	82	-	13.34	25	200
60	20	2149SVJ	18	0.83	1.30	2.00	LDHMW PE	17	86	PVC	8.51	64	60
60	20	2240-R2	12	3.35	2.40	3.60	EPR	14	95	PU	17.02	152	130

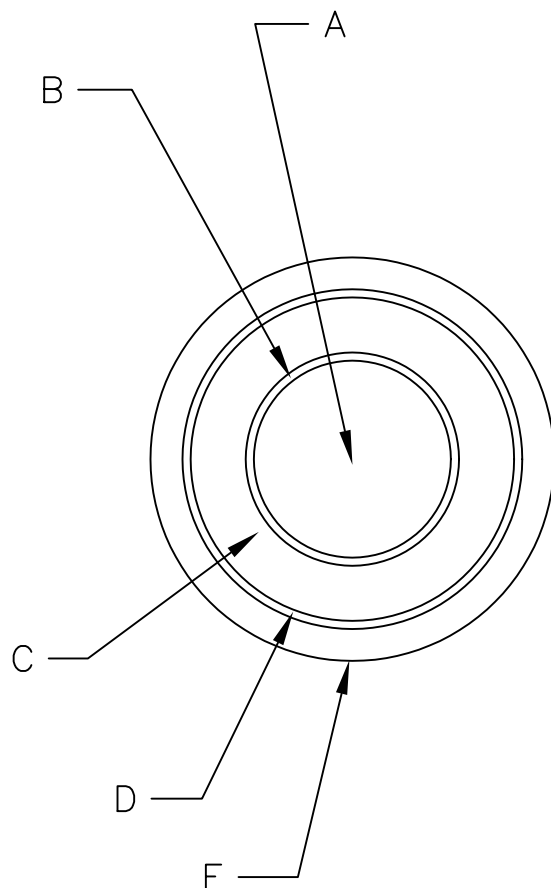


LEGEND

- A. #6 AWG (133x #27AWG T.C.), $\phi.213$
- B. LDHMW POLYETHYLENE, .045 WALL.
- C. # 30 AWG TC SHIELD (DOUBLE SHIELD), 6 ENDS, 24 CARRIER, 95% COVERAGE.
- D. BLACK TPR JACKET, .06 WALL.

REVISIONS

REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED		DRAWN D. ABDULKY		DATE 20JAN05		www.hvproducts.de info@hvproducts.de			
—	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON		CHECKED		DATE		10KV PULSE CABLE			
				DECIMALS ANGLES .XX ±.01 ± .XXX ±.005		APPROVED D. LEARY		DATE 20JAN05					
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125✓		MATERIAL							
						FINISH							
										SIZE A	FSCM NO. 50509	DWG NO. 2232	REV
										SCALE		SHEET OF	

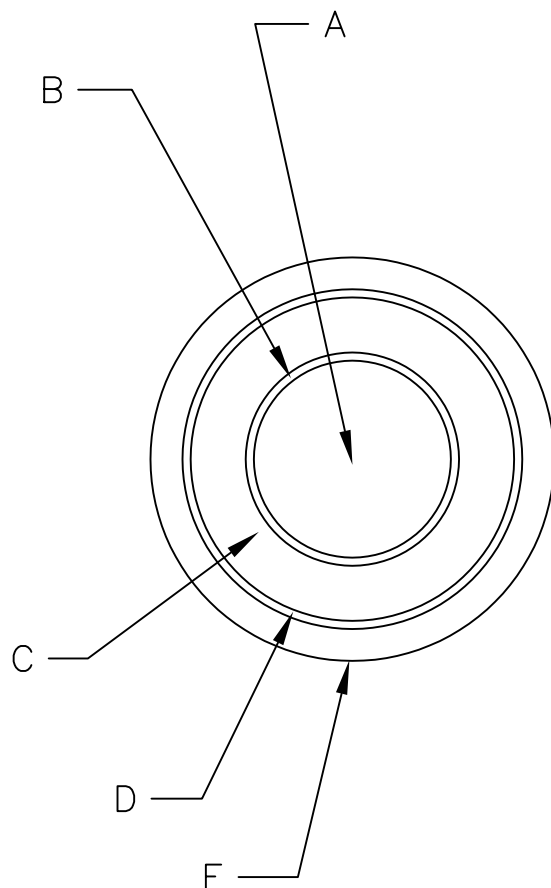


LEGEND

- A. CELLULAR POLYETHYLENE TO $\phi.280 \pm .005$
- B. BRAID SHIELD, #34 AWG B.C., 93% COV
11 ENDS, 16 CARRIER
- C. LDHMW POLYETHYLENE TO $\phi.385 \pm .005$
- D. BRAID SHIELD, #34 AWG B.C., 93% COV
11 ENDS, 24 CARRIER
- E. JACKET: LDHMW BLACK POLYETHYLENE TO
 $\phi.505 \pm .010$

REVISIONS

REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED	DRAWN GPLAMBERT	DATE 31OCT02	 www.hvproducts.de info@hvproducts.de	
-	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON	CHECKED DJ LEARY	DATE 31OCT02		
				DECIMALS .XX $\pm .01$.XXX $\pm .005$	APPROVED DJ LEARY	DATE 31OCT02	LOW INDUCTANCE PULSE CABLE	
				ANGLES $\pm$	MATERIAL			
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125✓	FINISH		SIZE A	FSCM NO. 50509
				DO NOT SCALE THIS DRAWING			DWG NO. 2164	REV
				SCALE		SHEET 1 OF 1		



LEGEND

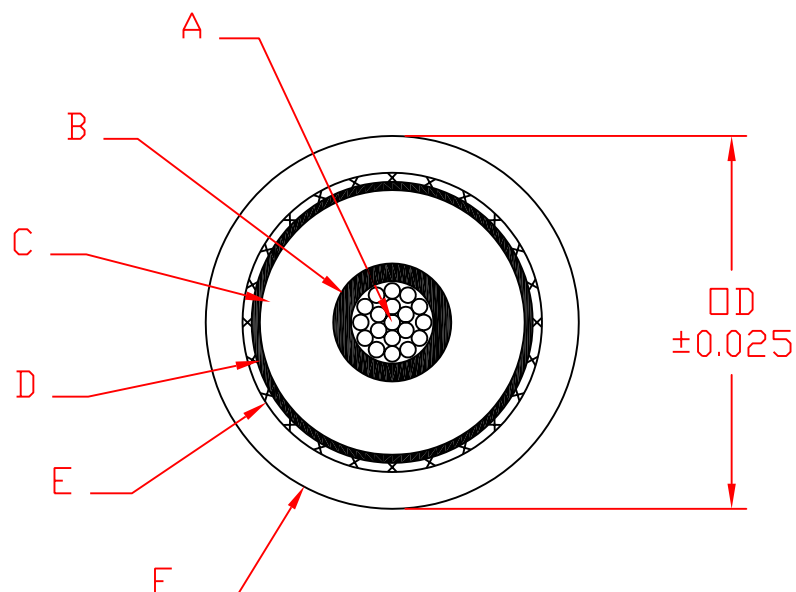
- A. LDHMW POLYETHYLENE TO $\phi.677 \pm .005$
- B. BRAID SHIELD, #30 AWG B.C., 95% COV
6 ENDS, 48 CARRIER
- C. LDHMW POLYETHYLENE TO $\phi.830 \pm .015$
- D. BRAID SHIELD, #30 AWG B.C., 95% COV
6 ENDS, 48 CARRIER
- E. JACKET: LDHMW BLACK POLYETHYLENE TO
 $\phi 1.015 \pm .020$

REVISIONS

REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED	DRAWN GPLAMBERT	DATE 31OCT02	 www.hvproducts.de info@hvproducts.de	
-	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON	CHECKED DJ LEARY	DATE 31OCT02		
				DECIMALS .XX $\pm .01$.XXX $\pm .005$	APPROVED DJ LEARY	DATE 31OCT02	CABLE: COAXIAL	
				ANGLES $\pm$	MATERIAL			
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125✓	FINISH		SIZE A	FSCM NO. 50509
				DO NOT SCALE THIS DRAWING			DWG NO. 2167	REV
					SCALE		SHEET	1 OF 1

LEGEND

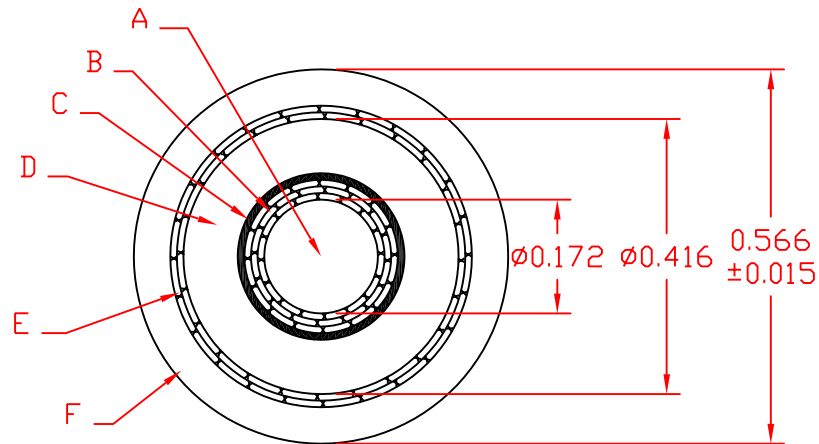
- A. 12AWG (19X 25AWG) SILVER PLATED COPPER
B. SEMI CON SILICONE TO ϕ .140
C. INSULATING SILICONE TO ϕ .235 $\pm$.015
D. SEMI CON INK & TAPE TO ϕ 0.259
E. SHIELD, #34AWG(6 ENDS,16 CARRIER) TINNED COATED COPPER BRAID 90% COVERAGE
F. JACKET



JACKET TYPE	DEFINTION	COLOR	WALL	OD
N	NEOPRENE RUBBER	BLACK	0.06	0.40
S	SILICONE RUBBER	RED	0.06	0.40
T	THERMOPLASTIC RUBBER	BLACK	0.05	0.38
V	VINYL	BLACK	0.05	0.38

REVISIONS

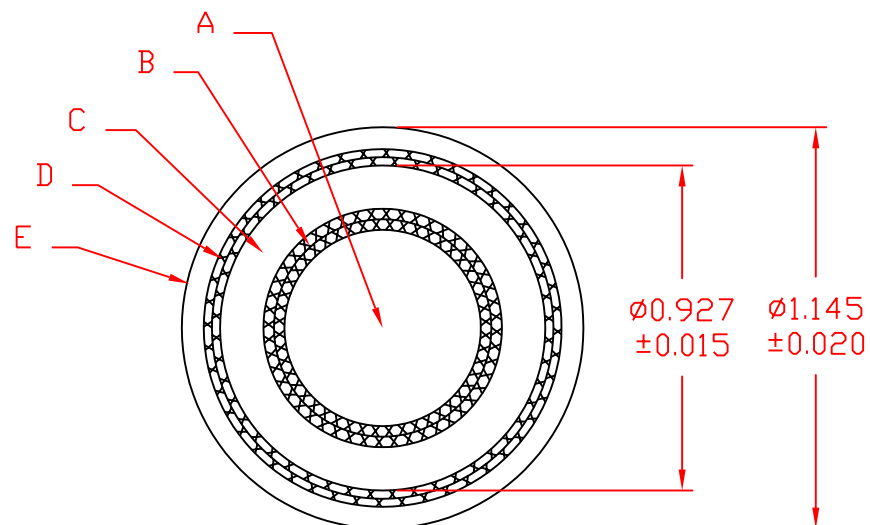
REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED	DRAWN D. ABDULKY	DATE 14 JUN 05	 www.hvproducts.de info@hvproducts.de			
-	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON	CHECKED	DATE				
				DECIMALS .XX $\pm$.01 .XXX $\pm$.005	APPROVED	DATE	CABLE: 1/C #12 AWG ; 15KVDC			
				ANGLES $\pm$	MATERIAL					
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125 $\checkmark$	FINISH		SIZE A	FSCM NO. 50509	DWG NO. 2075SJ	REV
							SCALE		SHEET	OF



LEGEND

- A. LDHMMW POLYETHYLENE TO $\phi 0.172 \pm 0.005$
- B. TRIPLE SHIELD
INNER: 7x #33 AWG BARE COPPER, 16 CARRIER
MIDDLE: 7x #33 AWG BARE COPPER, 16 CARRIER
OUTER: 7x #33 AWG BARE COPPER, 16 CARRIER
- C. SEMI CONDUCTIVE POLYETHYLENE, 0.010 WALL
- D. LDHMMW POLYETHYLENE, 0.060 WALL TO $\phi 0.416 \pm 0.010$
- E. DOUBLE BRAID
INNER: 7x #33 AWG BARE COPPER, 24 CARRIER
OUTER: 7x #33 AWG BARE COPPER, 24 CARRIER
- F. BLACK POLYETHYLENE JACKET, 0.037 WALL

REVISIONS										
REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED	DRAWN DJL	DATE 08FEB90	 www.hvproducts.de info@hvproducts.de PULSE CABLE, 20KVDC			
—	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON DECIMALS ANGLES .XX ±.01 ± .XXX ±.020	CHECKED	DATE				
					APPROVED	DATE				
					MATERIAL					
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125✓	FINISH		SIZE A	FSCM NO. 50509	DWG NO. 2168	REV
							SCALE		SHEET	OF

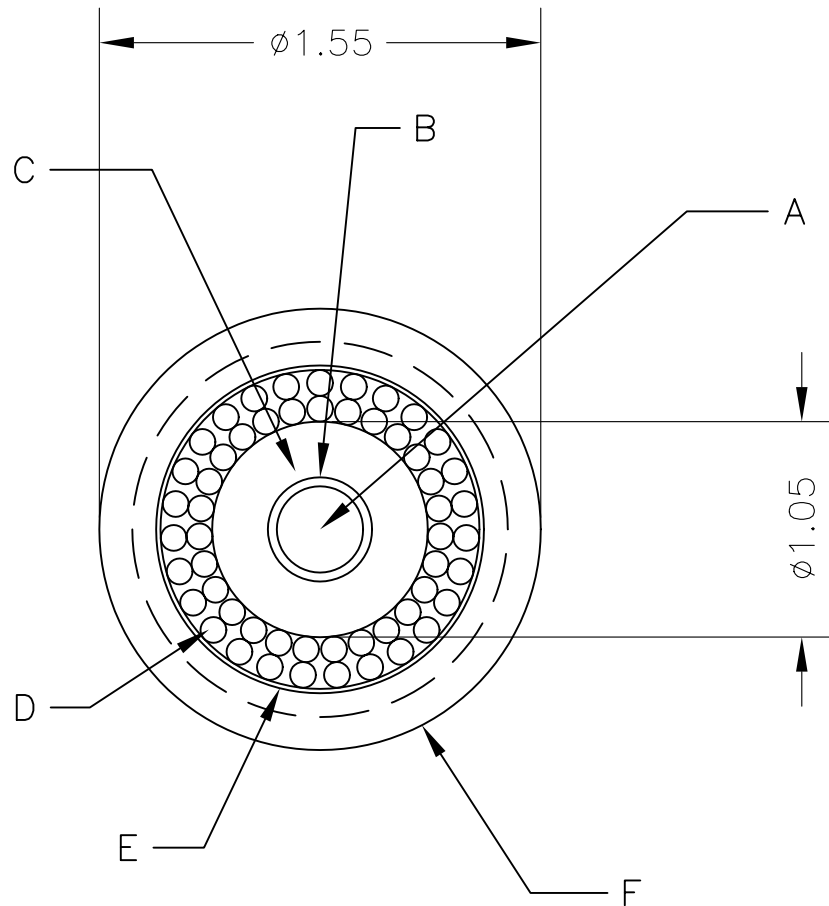


LEGEND

- A. LDHMW POLYETHYLENE CORE TO $\phi 0.560 \pm 0.005$
- B. DOUBLE SHIELD, #28 AWG BARE COPPER
5 ENDS, 48 CARRIER (EACH SHIELD)
23° ANGLE. OVERLAP WITH 1.5 MIL MYLAR
30% LAP TO $\phi 0.680 \pm 0.007$
- C. LDHMW POLYETHYLENE, 0.123 WALL TO $\phi 0.927 \pm 0.015$
- D. DOUBLE SHIELD, #28 AWG BARE COPPER
5 ENDS, 48 CARRIER (EACH SHIELD)
33° ANGLE. OVERLAP WITH 1.5 MIL MYLAR
30% LAP TO $\phi 1.020 \pm 0.020$
- E. JACKET: LDHMW BLACK POLYETHYLENE TO $\phi 1.145 \pm 0.020$

REVISIONS

REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED	DRAWN JAG	DATE 12SEP88	 www.hvproducts.de info@hvproducts.de			
-	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON	CHECKED	DATE				
				DECIMALS .XX ± 0.01 .XXX ± 0.005	APPROVED	DATE	CABLE: 40KV PULSE			
				ANGLES $\pm$	MATERIAL					
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125 $\checkmark$	FINISH		SIZE A	FSCM NO. 50509	DWG NO. 2157	REV 1
				DO NOT SCALE THIS DRAWING			SCALE		SHEET 1 OF 1	



LEGEND

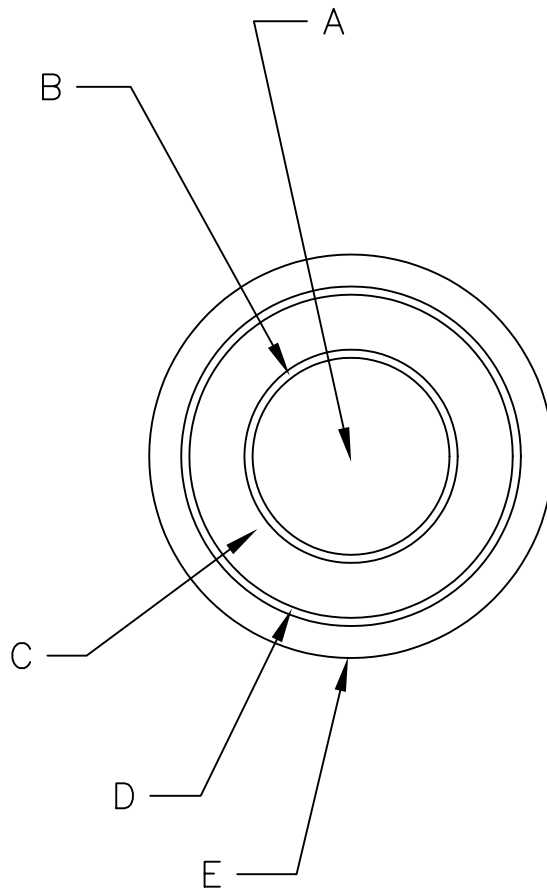
- A. #4/0 AWG (437 STRAND)
- B. SEMICONDUCTING EPR
- C. INSULATING EPR
- D. OUTER CONDUCTOR, DOUBLE LAYER
RHL INNER 60 x #18 AWG (19 x 30AWG T.C.)
LHL OUTER 67 x #18 AWG (19 x 30AWG T.C.)
- E. BINDER TAPE: MYLAR .002 THK, 30% LAP
- F. JACKET, POLYURETHANE (BLACK) DUAL LAYER
WITH INTERMEDIATE ARAMID FIBER BRAID.
TOTAL THICKNESS .150

RATING

VOLTAGE, 25KV MAX (INSULATION & JACKET)
CURRENT, 300KA MAX PULSE

REVISIONS

REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED	DRAWN GPLAMBERT	DATE 02APR01	 www.hvproducts.de info@hvproducts.de	
-	RELEASE DRAWING	DJL	02APR01	DIMENSIONS ARE IN INCHES TOLERANCE ON	CHECKED DJ LEARY	DATE 02APR01		
				DECIMALS .XX $\pm .01$.XXX $\pm .005$	APPROVED DJ LEARY	DATE 02APR01	CABLE: HV; 300KA PULSE	
				ANGLES $\pm$	MATERIAL			
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125 $\checkmark$	FINISH		SIZE A	FSCM NO. 50509
				DO NOT SCALE THIS DRAWING			DWG NO. 2255	REV
					SCALE		SHEET	1 OF 1



F. JACKET: LDHMMW BLACK POLYETHYLENE TO
ø.62

—10KVDC OUTER CONDUCTOR TO GROUND

OUTER .88 ohms/kft

IMPEDANCE — 12.5 ohms

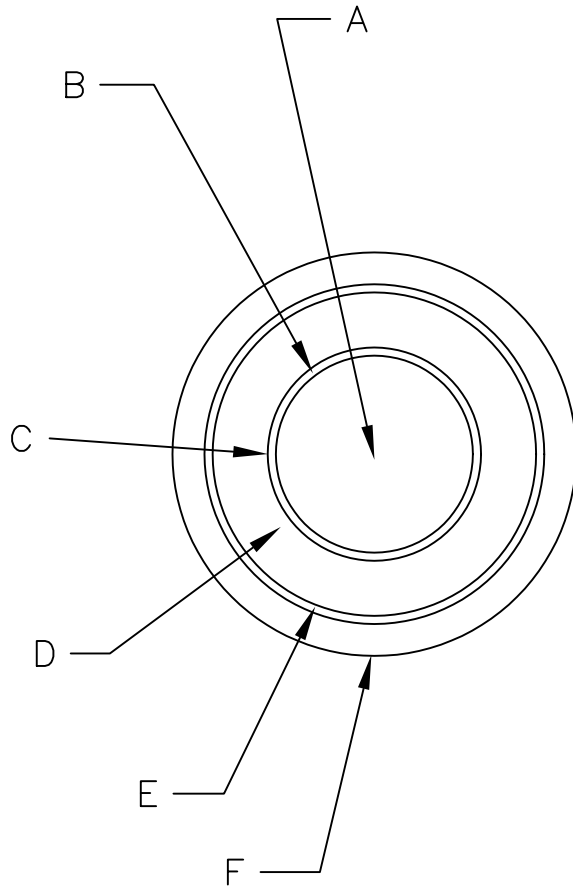
REVISIONS															
REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED	DRAWN GPLAMBERT	DATE 11APR02	 www.hvproducts.de info@hvproducts.de High Voltage Products. High Voltage Experts.								
—	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON DECIMALS ANGLES .XX ±.01 .XXX ±.005	CHECKED DJ LEARY	DATE 11APR02									
					APPROVED DJ LEARY	DATE 11APR02									
					MATERIAL		LOW INDUCTANCE PULSE CABLE								
					FINISH										
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125✓			SIZE A	FSCM NO. 50509	DWG NO. 2245			REV 1			
				DO NOT SCALE THIS DRAWING			SCALE		SHEET 1 OF 1						

LEGEND

- A. LDHMW POLYETHYLENE TO $\phi 0.560 \pm 0.005$
 B. BRAID SHIELD, #30 AWG B.C., 80% COV
 6 ENDS, 48 CARRIER
 C. SEMICON TAPE .0055 THK, 1/2 LAPPED
 D. LDHMW POLYETHYLENE TO $\phi 0.93 \pm 0.015$
 E. BRAID SHIELD, #30 AWG B.C., 80% COV
 6 ENDS, 48 CARRIER
 F. JACKET: LDHMW BLACK POLYETHYLENE TO
 $\phi 1.14 \pm 0.020$

NOTES:

1. INDUCTANCE— 26nH/FT
 2. CAPACITANCE— 90pF/FT



REVISIONS

REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED	DRAWN GPLAMBERT	DATE 14DEC00	 www.hvproducts.de info@hvproducts.de	
—	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON	CHECKED DJ LEARY	DATE 14DEC00		
				DECIMALS .XX ± 0.01 .XXX ± 0.005	APPROVED DJ LEARY	DATE 14DEC00	CABLE: 50KV PULSE	
				ANGLES $\pm$	MATERIAL			
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125 $\checkmark$	FINISH		SIZE A	FSCM NO. 50509
				DO NOT SCALE THIS DRAWING			DWG NO. 2250	REV
				SCALE		SHEET 1 OF 1		

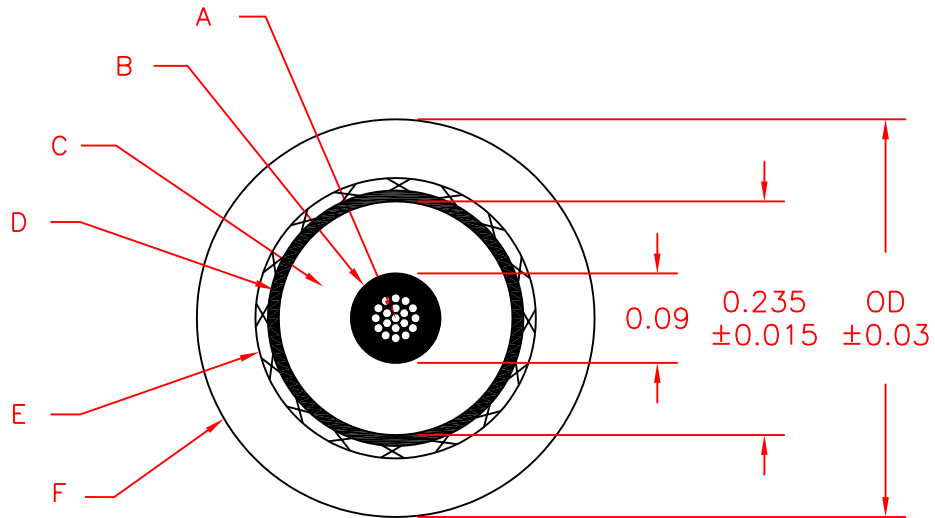


- RATING: MAIN LAYER 15KVAC RMS, 50KVDC

JACKET TYPE	DEFINTION	COLOR	WALL	OD
N	NEOPRENE RUBBER	BLACK	0.06	0.45
S	SILICONE RUBBER	RED	0.06	0.45
T	THERMOPLASTIC RUBBER	BLACK	0.04	0.41
V	VINYL	BLACK	0.04	0.41

REVISIONS

REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED		DRAWN O. ABDULKY	DATE 30OCT07	HVP High Voltage Products. High Voltage Experts. www.hvproducts.de info@hvproducts.de		
—	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON		CHECKED	DATE	CABLE: 1/C 16 AWG, 30 KVDC		
						APPROVED	DATE			
				DECIMALS ANGLES .XX ±.01 .XXX ±.005		MATERIAL				
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125✓				FINISH		
				 				SCALE		SHEET 1 OF 1



LEGEND

- A. #18 AWG (19 x #30) SILVER PLATED COPPER.
- B. SEMICONDUCTIVE SILICONE RUBBER, BLACK.
- C. SILICONE RUBBER TO $\phi 0.235 \pm 0.015$
- D. SEMICONDUCTIVE INK & TAPE (0.0055 THK, 1/2 LAPPED).
- E. SHIELD, #34 AWG T.C. 6/16, 80% COVERAGE.
- F. JACKET

RATING: 15KVAC, 40KVDC

JACKET TYPE	DEFINTION	COLOR	WALL	OD
N	NEOPRENE RUBBER	BLACK	0.06	0.40
S	SILICONE RUBBER	RED	0.06	0.40
T	THERMOPLASTIC RUBBER	BLACK	0.06	0.40
V	VINYL	RED	0.05	0.38

REVISIONS

REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED		HVP High Voltage Products. High Voltage Experts. www.hvproducts.de info@hvproducts.de	
—	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON DECIMALS ANGLES .XX ±.01 ± .XXX ±.005		DRAWN O. ABDULKY	DATE 30OCT07
						CHECKED	DATE
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125√		APPROVED	DATE
						MATERIAL	
						FINISH	
						SIZE A	FSCM NO. 50509
						SCALE	SHEET 1 OF 1



- A. #16 AWG (19 x #29) SILVER PLATED COPPER.
- B. SEMICONDUCTIVE SILICONE RUBBER, BLACK.
- C. INSULATION, SILICONE RUBBER, WHITE.
- D. SEMICONDUCTIVE INK & TAPE (0.0055 THK, 1/2 LAPPED).
- E. SHIELD, #34 AWG T.C. 6/16, 86% COVERAGE.
- F. JACKET

RATING: MAIN LAYER 15KVAC RMS, 50KVDC

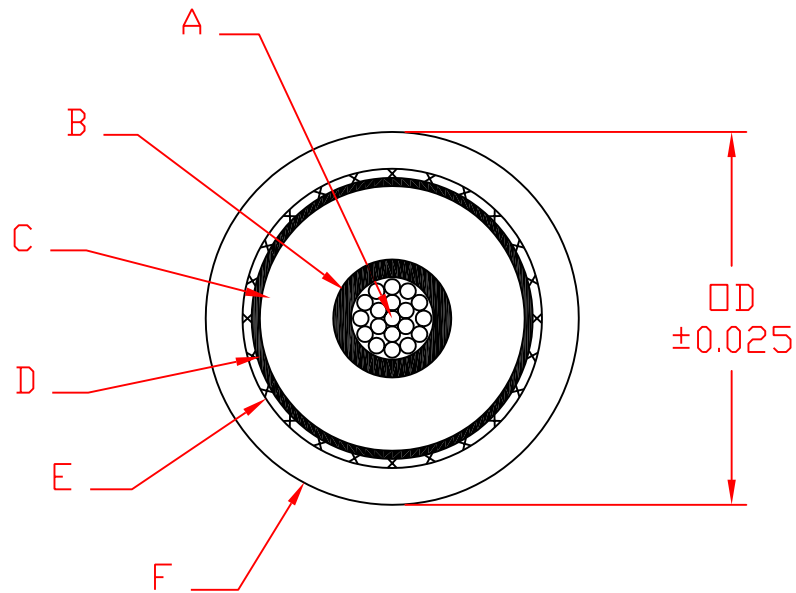
JACKET TYPE	DEFINTION	COLOR	WALL	OD
N	NEOPRENE RUBBER	BLACK	0.06	0.46
S	SILICONE RUBBER	RED	0.06	0.46
T	THERMOPLASTIC RUBBER	BLACK	0.04	0.42
V	VINYL	RED	0.06	0.46

REVISIONS

REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED		DRAWN O. ABDULKY		DATE 26FEB08		HVP High Voltage Products. High Voltage Experts. www.hvproducts.de info@hvproducts.de				
—	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON		CHECKED		DATE		HV COAXIAL CABLE, 16 AWG				
						APPROVED		DATE						
				DECIMALS .XX ±.01 .XXX ±.005		ANGLES ±		MATERIAL						
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125✓		FINISH				SIZE		FSCM NO.	DWG NO.	REV
										A		50509		2032SJ
								SCALE				SHEET		1 OF 1

LEGEND

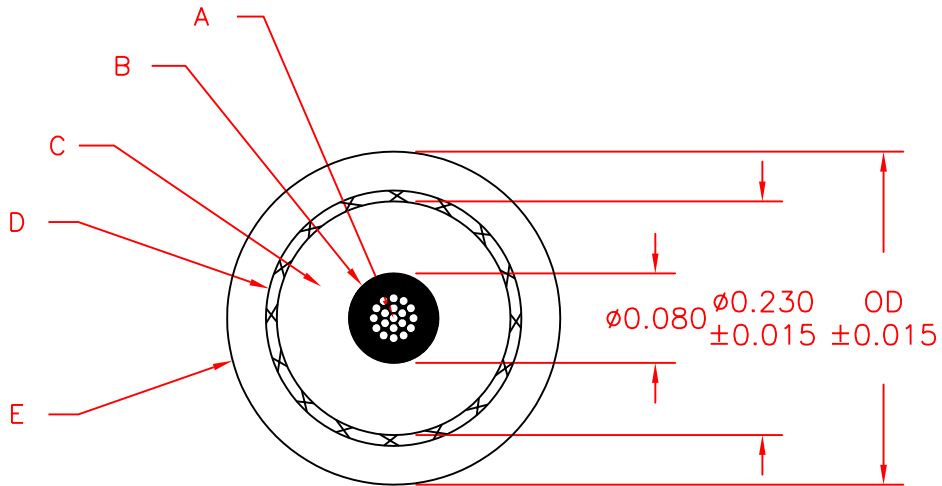
- A. 12AWG (19X 25AWG) SILVER PLATED COPPER
- B. SEMI CON SILICONE TO $\phi.140$
- C. INSULATING SILICONE TO $\phi.360 \pm .015$
- D. SEMI CON INK & TAPE
- E. SHIELD, 34AWG(6 ENDS, 24 CARRIER) TINNED COATED COPPER BRAID 81% COVERAGE
- F. JACKET



JACKET TYPE	DEFINTION	COLOR	WALL	OD
N	NEOPRENE RUBBER	BLACK	0.06	0.52
S	SILICONE RUBBER	RED	0.06	0.52
T	THERMOPLASTIC RUBBER	BLACK	0.05	0.50
V	VINYL	BLACK	0.05	0.50

REVISIONS

REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED		DRAWN □. ABDULKY		DATE 11MAY06		HVP High Voltage Products. High Voltage Experts. www.hvproducts.de info@hvproducts.de					
—	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON		CHECKED		DATE		CABLE: 1/C #12 AWG ; 60KVDC					
						APPROVED		DATE							
				DECIMALS		ANGLES		MATERIAL							
				.XX ±.01 .XXX ±.005		±									
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125✓		FINISH		SIZE A		FSCM NO. 50509		DWG NO. 2024SJ		REV	
										SCALE				SHEET	



LEGEND

A. #18 AWG (19 x #30) TIN PLATED COPPER.

B. SEMICONDUCTIVE POLYETHYLENE TO $\phi 0.080$ C. LDHWM POLYETHYLENE TO $\phi 0.230$

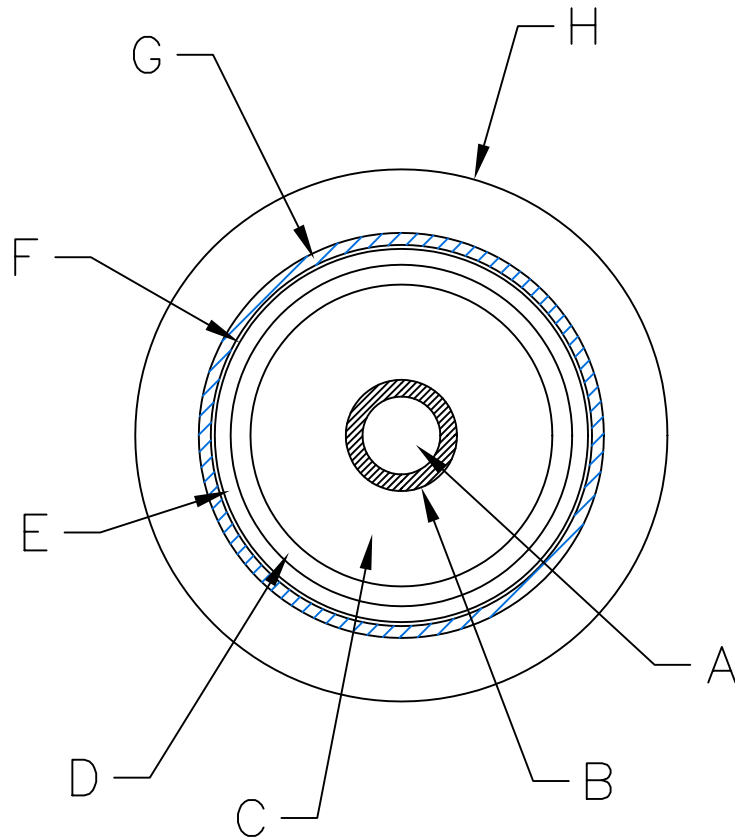
D. SHIELD, #34 AWG T.C. 6/16, 14 PICKS/IN 52° BRAID ANGLE

E. JACKET

JACKET TYPE	DEFINITION	COLOR	WALL	OD	AVAILABLE LENGTH
N	NEOPRENE RUBBER	BLACK	0.06	0.40	50 FEET
S	SILICONE RUBBER	RED	0.03	0.34	50 FEET
T	THERMOPLASTIC RUBBER	BLACK	0.06	0.40	
V	VINYL	RED	0.03	0.34	

REVISIONS

REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED		DRAWN O. ABDULKY	DATE 30OCT07	 www.hvproducts.de info@hvproducts.de			
—	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON		CHECKED	DATE				
				DECIMALS		APPROVED		DATE			
				ANGLES		MATERIAL		HV COAXIAL CABLE, 18 AWG			
				.XX ±.01 .XXX ±.005		FINISH					
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125✓				SIZE A	FSCM NO. 50509	DWG NO. 2149SJ	REV
				 				SCALE		SHEET	1 OF 1



LEGEND

- A. 12AWG (19X ϕ .0185) SILVER PLATED COPPER, CONCENTRIC
- B. SEMI CON EPR TO ϕ .140
- C. INSULATING EPR TO ϕ .400 $\pm$.010
- D. SEMI CON EPR TO ϕ .450 $\pm$.010
- E. SHIELD, 34AWG (8 ENDS, 24 CARRIER) TINNED COATED COPPER BRAID 95% COVERAGE TO ϕ .480 $\pm$.015
- F. SEPARATOR TAPE .010 THK SILICONE/GLASS (20% MIN LAP)
- G. SHIELD, 32AWG (8 ENDS, 24 CARRIER) SOFT GALVANIZED STEEL BRAID 90% COVERGE TO ϕ .530 $\pm$.015
- H. JACKET, POLYURETHANE BLACK .070 WALL NOMINAL (.060 WALL MIN) TO ϕ .670 $\pm$.025

INTERPRET DRAWING IN ACCORDANCE WITH ANSI Y14.5M-1982		DATE DRAWN 04NOV98		 www.hvproducts.de info@hvproducts.de	
		DRAWN BY GPLAMBERT			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON DECIMALS FRAC ANGLES .XX $\pm$.01 $\pm$ $\pm$.XXX $\pm$.005 $\pm$ $\pm$		CHECKED		CABLE: 1/C #12 AWG ; 30KVDC	
		APPROVED			
CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125 ✓		MATERIAL		FSCM NO. 50509	
		FINISH		SIZE A	DRAWING NO. 2240
APPLICATION		SCALE		SHEET	