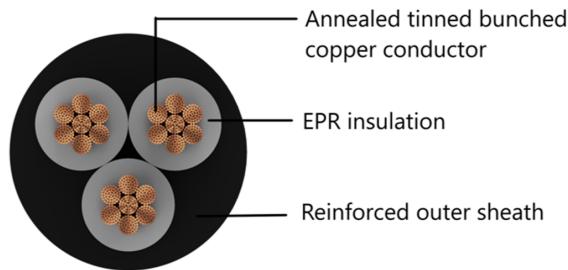
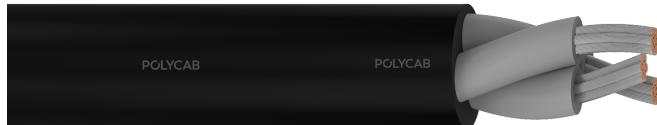


POLY CAB MV CU IS 9968-2 1.9/3.3(E) or 3.3/3.3(UE) KV

Medium Voltage Rubber Flexible Cable, 1.9/3.3(E) or 3.3/3.3(UE) KV AC

POLY CAB
IDEAS. CONNECTED.



Images not to scale. Follow table for dimensions

APPLICATION

POLY CAB MV CU IS 9968-2 of voltage grade 1.9/3.3(E) or 3.3/3.3(UE) KV, annealed tinned copper conductor, EPR insulated and HOFR sheathed single & three core cable is suitable to use for steel mills, wind power mills, ships, textile machines, turbines etc.

CHARACTERISTICS

Voltage Rating

Nominal Voltage: 1.9/3.3 (E) kV

Operation Temperature

Max. operating temperature: +90°C

Max. Short Circuit Temperature: 250°C

Bending Radius:

Single core cable 6 x Overall diameter

Three core cable 8 x Overall diameter

CONSTRUCTION

- Conductor: Circular Bunched tinned copper conductor as per IS 8130, class 5
- Insulation: EPR as per IS 6380
- Outer Sheath: Reinforced extruded elastomeric compound type SE4 or HOFR as per IS 6380 Colour: Black

Core Identification

White colour with number printing

Test Voltage

10 kV AC

OUTSTANDING FEATURES

- Flexible
- High life
- UV resistant
- Oil resistant
- Chemical resistant
- Ozone resistant

STANDARD FOLLOWS

IS 8130

IS 6380

IS 9968-2

COMPLIANCE

Conductor resistance IS 8130

Insulation resistance IS 9968-2

Flammability IS 9968-2

OUR ACCREDITATIONS



APPROVAL



POLY CAB MV CU IS 9968-2 1.9/3.3(E) or 3.3/3.3(UE) KV **POLY CAB**
Medium Voltage Rubber Flexible Cable, 1.9/3.3(E) or
3.3/3.3(UE) KV AC

IDEAS. CONNECTED.

WEIGHT & DIMENSION DATA :

Product Code	No. of Cores	Nominal Cross sectional Area mm ²	Nominal Insulation Thickness mm	Overall Diameter mm	Weight (Approx.)
					Kg/Km
RCIS10TRUARE001C016S	1	16	2.2	15	400
RCIS10TRUARE001C025S	1	25	2.2	16	500
RCIS10TRUARE001C035S	1	35	2.2	17	650
RCIS10TRUARE001C050S	1	50	2.2	19	800
RCIS10TRUARE001C070S	1	70	2.2	21	1050
RCIS10TRUARE001C095S	1	95	2.4	24	1350
RCIS10TRUARE001C120S	1	120	2.4	26	1650
RCIS10TRUARE001C150S	1	150	2.4	28	1950
RCIS10TRUARE001C185S	1	185	2.4	30	2350
RCIS10TRUARE001C240S	1	240	2.4	33	2950
RCIS10TRUARE001C300S	1	300	2.4	36	3650
RCIS10TRUARE003C016S	3	16	2.2	30	1250
RCIS10TRUARE003C025S	3	25	2.2	33	1600
RCIS10TRUARE003C035S	3	35	2.2	37	2050
RCIS10TRUARE003C050S	3	50	2.2	42	2750
RCIS10TRUARE003C070S	3	70	2.2	45	3450
RCIS10TRUARE003C095S	3	95	2.4	52	4600
RCIS10TRUARE003C120S	3	120	2.4	56	5400
RCIS10TRUARE003C150S	3	150	2.4	59	6350
RCIS10TRUARE003C185S	3	185	2.4	65	7850
RCIS10TRUARE003C240S	3	240	2.4	72	9850
RCIS10TRUARE003C300S	3	300	2.4	78	11850

Electrical characteristics:

No. of Cores No.	Nominal Cross sectional Area mm ²	Max. DC Resistance at 20°C Ω/km	Max. AC Resistance at 90°C Ω/km	Short circuit current rating kA/s	Reactance (Approx.) Ω/km	Current carrying capacity in Air	
						Trefoil Amp.	Flat touching Amp.
1	16	1.24	1.582	2.29	0.1243	94	108
1	25	0.795	1.015	3.58	0.1158	148	151

POLY CAB MV CU IS 9968-2 1.9/3.3(E) or 3.3/3.3(UE) KV **POLY CAB**
Medium Voltage Rubber Flexible Cable, 1.9/3.3(E) or
3.3/3.3(UE) KV AC

IDEAS. CONNECTED.

No. of Cores No.	Nominal Cross sectional Area	Max. DC Resistance at 20°C	Max. AC Resistance at 90°C	Short circuit current rating	Reactance (Approx.)	Current carrying capacity in Air	
						Trefoil	Flat touching
	mm ²	Ω/km	Ω/km	kA/s	Ω/km	Amp.	Amp.
1	35	0.565	0.722	5.01	0.1097	179	183
1	50	0.393	0.503	7.15	0.1037	214	218
1	70	0.277	0.355	10.02	0.1010	267	271
1	95	0.21	0.271	13.59	0.0976	323	327
1	120	0.164	0.213	17.17	0.0965	374	376
1	150	0.132	0.172	21.46	0.0937	422	422
1	185	0.108	0.143	26.47	0.0908	484	481
1	240	0.0817	0.11	34.34	0.0894	565	550
1	300	0.0654	0.091	42.93	0.0882	641	615

No. of Cores No.	Nominal Cross sectional Area	Max. DC Resistance at 20°C	Max. AC Resistance at 90°C	Short circuit current rating	Reactance (Approx.)	Current carrying capacity in Air	
							Amp.
	mm ²	Ω/km	Ω/km	kA/s	Ω/km	Amp.	
3	16	1.24	1.582	2.29	0.1007	89	
3	25	0.795	1.015	3.58	0.0945	132	
3	35	0.565	0.722	5.01	0.0902	159	
3	50	0.393	0.503	7.15	0.0862	188	
3	70	0.277	0.355	10.02	0.0829	234	
3	95	0.21	0.271	13.59	0.0817	284	
3	120	0.164	0.213	17.17	0.0797	326	
3	150	0.132	0.172	21.46	0.0781	368	
3	185	0.108	0.143	26.47	0.0764	422	
3	240	0.0817	0.11	34.34	0.0748	492	
3	300	0.0654	0.091	42.93	0.0734	559	

Maximum conductor temperature - 90°C

Ambient air temperature - 40°C

Ground temperature - 30°C

The above table in accordance with IS 3961(Part 7)

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POLY CAB MV CU IS 9968-2 1.9/3.3(E) or 3.3/3.3(UE) KV **POLY CAB**
Medium Voltage Rubber Flexible Cable, 1.9/3.3(E) or
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IDEAS. CONNECTED.

De-Rating Factor

De-rating factors for other than 40°C ambient air temperature.

Ambient Temperature	25°C	30°C	35°C	40°C	45°C	50°C	55°C	60°C
De-Rating Factor	1.14	1.10	1.05	1.00	0.95	0.89	0.84	0.77