

2xY/A2xY or N2xY/NA2xY | 2 Core (Cu or Al/XLPE/PVC)

APPLICATION

Power plant Generator Power Circuit Industrial Power Transmission Distribution Networks Switch gear

*REACH I RoHS I CE

CONSTRUCTION

Conductor : Solid/ Stranded Circular/ Compacted, Plain annealed Copper or Aluminium, Class 1 or Class-2 to BDS IEC 60228, IS 8130

Insulation: Cross-linked Polyethylen, XLPE to BDS IEC 60502-1, IS 7098-1

Inner covering: PVC, ST2 to BDS IEC 60502-1, IS 5831

Sheath : PVC, ST2 to BDS IEC 60502-1, IS 5831

Option: FR Type/ FRLS Type

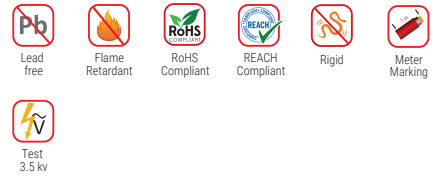


VOLTAGE GRADE

OPERATING TEMP.

Uo/U (Um) : 0.6/1.0 (1.2) kV - 20°C to +90°C
Permissible Service Voltage: Max Short Circuit 250°C
 0.72/1.2 kV
Test Voltage: 3.5 kV

CHARACTERISTICS



MIN. BENDING RADIUS

STANDARD

COLOR

For Single Core
 Approx. 15x Cable Diameter

For Multicore
 Approx. 12x Cable Diameter

DIN VDE 0276-603
 BDS IEC 60502-1
 IS 7098-1

Insulated Core: ● Red
 ● Black

Sheath: ● (Black or other colors available on request)

INSTALLATION CONDITION



CABLE DESIGN PARAMETER

PHYSICAL DATA								ELECTRICAL DATA								
Nominal cross sectional area of conductor	No. of strands & diameter of wire Cu/Al	Nominal thickness of insulation	Nominal thickness of sheath	Approx. Overall diameter	Approx. weight of cable		Max. D.C resistance of conductor at 20 °C		Current Carrying Capacity in Ground at 30 °C				Current Carrying Capacity in Air at 35 °C			
					Cu	Al	Cu	Al	Cu		Al		Cu		Al	
									Direct laid	In duct	Direct laid	In duct	Open	In pipes	Open	In pipes
kg/km	kg/km	Ω /km	Ω /km	amp	amp	amp	amp	amp	amp	amp	amp	amp	amp			
2 x 1.5 re	1/1.38	0.7	1.8	11.2	155	-	12.1	18.1	34	25	-	-	27	19	-	-
2 x 1.5 rm	7/0.52	0.7	1.8	11.6	162	-	12.1	18.1	34	25	-	-	27	19	-	-
2 x 2.5 re	1/1.78	0.7	1.8	12.0	185	-	7.41	12.1	44	33	-	-	35	23	-	-
2 x 2.5 rm	7/0.67	0.7	1.8	12.5	195	-	7.41	12.1	44	33	-	-	35	23	-	-
2 x 4 rm	7/0.85	0.7	1.8	13.6	276	187	4.61	7.41	55	41	34	20	45	30	31	16
2 x 6 rm	7/1.04	0.7	1.8	14.8	349	218	3.08	4.61	74	56	40	22	62	42	40	20
2 x 10 rm	7/1.35	0.7	1.8	16.6	478	271	1.83	3.08	97	73	55	31	84	56	53	25
2 x 16 rm	7/1.70	0.7	1.8	18.1	654	341	1.15	1.91	125	95	73	43	110	71	70	31
2 x 25 rm	7/2.14	0.9	1.8	21.5	996	457	0.727	1.20	150	111	94	55	140	87	96	43
2 x 35 rmc	19 wire	0.9	1.8	23.7	1274	576	0.524	0.868	180	135	114	69	190	124	117	51