

BYM/BAYM | 3 Core (Cu or Al/PVC-FR/PVC)

APPLICATION

Electrical Power Lighting Internal Wiring Embekbed Conduits Closed Installation Duct

CONSTRUCTION

Conductor: Solid/ Circular/Sector Shaped, Plain annealed copper or Aluminium Class-1 & 2 to BDS IEC 60228, EN 60228

Insulation : PVC-FR (Skin coated), T11-(with FR Property) to BS 7655 BSEN 50363-3 & BDS 1251

Sheath: PVC, TM1 to BS7655-4.2, BDS 1251

Options : FR type/FRLSH type/LSZH type

VOLTAGE GRADE

U₀/U : 300/500V

Test Voltage : 3.0 kV

OPERATING TEMP.

- 20°C to +70°C

Max Short Circuit 160°C

MIN. BENDING RADIUS

Approx. 5x cable diameter

BDS 900

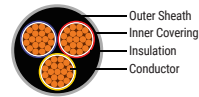
BS 6004

STANDARD

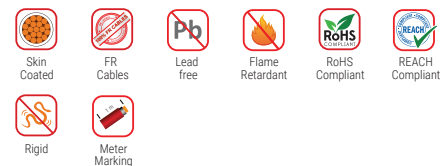
COLOR

Insulated core: ● Red
● Yellow
● Blue
Sheath: ● (Grey or
 Other Colors available on request)

*REACH | RoHS | CE



CHARACTERISTICS



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		Overall Diameter		Approx. weight of cable		Max. D.C resistance of conductor at 20 °C		Current rating in conduits at 35 °C		Current rating in air at 35 °C	
		Insulation	Sheath	Lower limit	Upper limit								
		Cu	Al	Cu	Al	Cu	Al	Cu	Al				
Core x mm ²	nos./mm	mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	amps	amps	amps	amps
3 x 1.0 re	1/1.13	0.6	1.2	7.8	9.2	106	-	18.1	-	11	-	12	-
3 x 1.0 rm	3/0.65	0.6	1.2	7.8	9.2	115	-	18.1	-	11	-	12	-
3 x 1.5 re	1/1.38	0.7	1.2	8.8	10.5	139	115	12.1	18.1	15	10	16	11
3 x 1.5 rm	7/0.52	0.7	1.2	9.2	10.8	142	117	12.1	18.1	15	10	16	11
3 x 1.5 rm	3/0.80	0.7	1.2	9.2	10.8	142	118	12.1	18.1	15	10	16	11
3 x 2.5 re	1/1.78	0.8	1.2	10.0	12.0	195	150	7.41	12.1	20	14	22	15
3 x 2.5 rm	7/0.67	0.8	1.2	10.5	12.5	198	152	7.41	12.1	20	14	22	15
3 x 4.0 rm	7/0.85	0.8	1.2	11.0	13.0	268	193	4.61	7.41	27	19	30	21
3 x 6.0 rm	7/1.04	0.8	1.4	12.5	15.5	386	273	3.08	4.61	33	23	37	26
3 x 10 rm	7/1.35	1.0	1.4	15.5	19.0	590	400	1.83	3.08	46	32	51	36
3 x 16 rm	7/1.70	1.0	1.4	18.0	21.5	856	553	1.15	1.91	58	38	67	44
3 x 25 rm	7/2.14	1.2	1.6	22.0	26.0	1272	794	0.727	1.20	66	43	77	50
3 x 35 sm	19 wire	1.2	1.6	24.5	29.0	1685	1023	0.524	0.868	81	53	90	59