

BYM/BAYM or BYM-FR/BAYM-FR or BYM-FRLS/BAYM-FRLS

1 Core (Cu or Al/PVC/PVC)

PVC (Skin coated) Insulated PVC Sheathed Single Core Cable

APPLICATION

Suitable for fixed installations in dry or damp premises clipped direct to a surface or on a cable tray unenclosed and also for use in non-metallic conduit.

STANDARD

BS 6004
BDS IEC 60227-4
IEC 60332 & IEC 61034

VOLTAGE GRADE

U₀/U : 300/500V

COLOR

Insulated core (Black)

Sheath (Grey or Other Colors available on request)

CONSTRUCTION

Conductor: Solid/ Circular/ Circular Compacted, Plain annealed Copper or Aluminium, Class-1 & 2 to IEC 60228

Insulation: PVC (Skin coated) , T11 to BS 7655

Sheath:

PVC, TM1 to BS 7655

PVC-FR, TM1-FR to BS 7655

PVC-FRLS, TM1-FRLS to BS 7655



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	kg/km	kg/km	ohm/km	ohm/km	amps	amps	amps	amps		
Core x mm ²	nos./mm	mm	mm	mm	mm	kg/km	kg/km	ohm/km	ohm/km	amps	amps	amps	amps
1 x 1.0 re	1/1.13	0.6	0.8	3.8	4.5	25	24	18.1	-	13	-	16	-
1 x 1.0 rm	3/0.65	0.6	0.8	3.8	4.5	26	25	18.1	-	13	-	16	-
1 x 1.3 rm	3/0.74	0.7	0.8	4.2	4.9	34	26	14.03	22.95	15	10	19	12
1 x 1.5 re	1/1.38	0.7	0.8	4.2	4.9	33	26	12.1	18.1	16	11	20	14
1 x 1.5 rm	7/0.52	0.7	0.8	4.2	4.9	33	27	12.1	18.1	16	11	20	14
1 x 1.5 rm	3/0.80	0.7	0.8	4.2	4.9	33	27	12.1	18.1	16	11	20	14
1 x 2.0 rm	3/0.91	0.7	0.8	4.6	5.4	44	32	9.11	15.18	20	12	25	15
1 x 2.5 re	1/1.78	0.8	0.8	4.8	5.8	45	36	7.41	12.1	22	15	28	19
1 x 2.5 rm	7/0.67	0.8	0.8	4.8	5.8	46	37	7.41	12.1	22	15	28	19
1 x 3.0 rm	7/0.74	0.8	0.8	5.1	6.1	60	41	5.99	9.84	26	17	31	20
1 x 4.0 rm	7/0.85	0.8	0.9	5.4	6.8	73	48	4.61	7.41	30	21	37	25
1 x 4.5 rm	7/0.91	0.8	0.9	5.6	7.0	81	52	3.89	6.51	32	22	39	26
1 x 6.0 rm	7/1.04	0.8	0.9	6.0	7.4	96	59	3.08	4.61	38	26	47	32
1 x 7.0 rm	7/1.12	0.8	0.9	6.5	7.8	107	64	2.61	4.29	42	27	51	33
1 x 9.5 rm	7/1.32	1.0	0.9	7.0	8.7	145	82	1.86	3.09	50	32	61	40
1 x 10 rm	7/1.35	1.0	0.9	7.2	8.8	147	84	1.83	3.08	52	36	63	43
1 x 14.5 rm	7/1.63	1.0	1.0	8.0	10.0	206	113	1.23	2.03	65	40	79	50
1 x 16 rm	7/1.70	1.0	1.0	8.4	10.5	218	117	1.15	1.91	70	46	85	55
1 x 25 rm	7/2.14	1.2	1.1	10.0	12.5	328	169	0.727	1.20	91	59	110	72
1 x 35 rmc	min 6	1.2	1.1	11.0	13.5	432	211	0.524	0.868	112	73	136	88

Current ratings are valid for cables laid under defined conditions at page no.163. For current ratings at deviated conditions, apply correction factor as given on page no.

Characteristics



Installation condition

