

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

## 2 Core (Cu or Al/PVC/PVC)

### PVC (Skin coated) Insulated PVC Sheathed Two 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

U<sub>0</sub>/U : 300/500V

#### COLOR

Insulated core ■ ■ (Red, 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

**Inner Covering:** PVC, TM1 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	Cu	Al	Cu	Al	Cu	Al				
Core x mm <sup>2</sup>	nos./mm	mm	mm	mm	mm	Kg/km	kg/km	ohm/km	ohm/km	amps	amps	amps	amps
2 x 1.0 re	1/1.13	0.6	1.2	7.6	8.8	93	-	18.1	-	13	-	15	-
2 x 1.0 rm	3/0.65	0.6	1.2	7.6	8.8	102	-	18.1	-	13	-	15	-
2 x 1.5 re	1/1.38	0.7	1.2	8.4	10.0	119	108	12.1	18.1	16	11	18	13
2 x 1.5 rm	7/0.52	0.7	1.2	9.0	10.2	121	111	12.1	18.1	16	11	18	13
2 x 1.5 rm	3/0.80	0.7	1.2	9.0	10.2	121	112	12.1	18.1	16	11	18	13
2 x 2.5 re	1/1.78	0.8	1.2	9.6	11.5	165	134	7.41	12.1	22	16	26	18
2 x 2.5 rm	7/0.67	0.8	1.2	10.4	11.8	167	135	7.41	12.1	22	16	26	18
2 x 4.0 rm	7/0.85	0.8	1.2	10.5	12.5	228	178	4.61	7.41	30	21	33	23
2 x 6.0 rm	7/0.1.04	0.8	1.2	11.5	14.0	294	219	3.08	4.61	37	26	43	30
2 x 10 rm	7/1.35	1.0	1.4	15.0	17.5	485	359	1.83	3.08	50	35	60	42
2 x 16 rm	7/1.70	1.0	1.4	16.5	20.0	673	471	1.15	1.91	66	43	80	52
2 x 25 rm	7/2.14	1.2	1.4	20.5	24.0	1004	685	0.727	1.20	75	49	88	57
2 x 35 rmc	min 6	1.2	1.6	23.0	27.5	1347	906	0.524	0.868	92	60	108	70

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

