

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

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

### PVC (Skin coated) Insulated PVC Sheathed Four 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, Yellow, Blue, Black)

Sheath  (Grey or Other Colors available on request)

#### CONSTRUCTION

**Conductor:** Solid/ Circular/ Sector Shaped, 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	kg/km	kg/km	ohm/km	ohm/km	amps	amps	amps	amps		
Core x mm <sup>2</sup>	nos./mm	mm	mm	mm	mm	kg/km	kg/km	ohm/km	ohm/km	amps	amps	amps	amps
4 x 1.0 re	1/1.13	0.6	1.2	8.4	9.8	124	-	18.1	-	11	-	12	-
4 x 1.0 rm	3/0.65	0.6	1.2	8.4	9.8	151	-	18.1	-	11	-	12	-
4 x 1.5 re	1/1.38	0.7	1.2	9.6	11.5	164	135	12.1	18.1	15	10	16	11
4 x 1.5 rm	7/0.52	0.7	1.2	10.0	12.0	168	136	12.1	18.1	15	10	16	11
4 x 1.5 rm	3/0.80	0.7	1.2	10.0	12.0	168	138	12.1	18.1	15	10	16	11
4 x 2.5 re	1/1.78	0.8	1.2	11.0	13.0	230	175	7.41	12.1	20	14	22	15
4 x 2.5 rm	7/0.67	0.8	1.2	11.5	13.5	235	161	7.41	12.1	20	14	22	15
4 x 4.0 rm	7/0.85	0.8	1.4	12.0	14.5	342	241	4.61	7.41	27	19	30	21
4 x 6.0 rm	7/1.04	0.8	1.4	14.0	17.0	464	314	3.08	4.61	33	23	37	26
4 x 10 rm	7/1.35	1.0	1.4	17.0	20.5	719	466	1.83	3.08	46	32	51	36
4 x 16 rm	7/1.70	1.0	1.4	20.0	23.5	1051	647	1.15	1.91	58	38	67	44
4 x 25 rm	7/2.14	1.2	1.6	24.0	28.5	1600	963	0.727	1.20	66	43	77	50
4 x 35 sm	min 6	1.2	1.6	27.0	32.0	2085	1202	0.524	0.868	81	53	90	59

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

