

BYFY/BAYFY or BYFY-FR/BAYFY-FR or BYFY-FRLS/BAYFY-FRLS

2 Core (Cu or Al/PVC/PVC)

PVC (Skin coated) Insulated PVC Sheathed Two Core Flat 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

IEC 60332 & IEC 61034

VOLTAGE GRADE

U₀/U : 300/500V

COLOR

Insulated core ■ ■ (Red, Black)

Sheath ■ (Grey or Other Colors available on request)

CONSTRUCTION

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

Insulation: PVC (Skin coated), T1 to BS 7655

Sheath:

PVC, type 6 to BS 7655

PVC-FR, type 6-FR to BS 7655

PVC-FRLS, type 6-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
2 x 1.0 re	1/1.13	0.6	0.9	4.0x6.2	4.7x7.4	55	-	18.1	-	13	-	15	-
2 x 1.0 rm	3/0.65	0.6	0.9	4.0x6.3	4.8x7.6	60	-	18.1	-	13	-	15	-
2 x 1.3 rm	3/0.74	0.7	0.9	4.2x6.9	5.4x8.7	70	54	14.03	22.95	15	9	17	11
2 x 1.5 re	1/1.38	0.7	0.9	4.4x7.0	5.4x8.4	73	55	12.1	18.1	16	13	18	15
2 x 1.5 rm	3/0.80	0.7	0.9	4.5x7.2	5.5x8.6	77	58	12.1	18.1	16	13	18	15
2 x 1.5 rm	7/0.52	0.7	0.9	4.5x7.3	5.5x8.7	78	59	12.1	18.1	16	13	18	15
2 x 2.0 rm	3/0.91	0.7	0.9	5.2x8.5	6.3x9.8	93	66	9.11	15.18	20	14	23	16
2 x 2.5 re	1/1.78	0.8	1.0	5.2x8.4	6.2x9.8	104	76	7.41	12.1	22	16	26	20
2 x 2.5 rm	7/0.67	0.8	1.0	5.3x8.6	6.3x10.0	108	79	7.41	12.1	22	16	26	20
2 x 3.0 rm	7/0.74	0.8	1.0	5.6x9.4	6.5x10.6	129	91	5.99	9.84	24	17	28	21
2 x 4.0 rm	7/0.85	0.8	1.0	5.6x9.6	7.2x11.5	154	104	4.61	7.41	30	22	33	26
2 x 4.5 rm	7/0.91	0.8	1.0	5.9x10.2	7.2x11.7	167	110	3.89	6.51	32	23	38	27
2 x 6.0 rm	7/1.04	0.8	1.1	6.4x10.5	8.0x13.0	210	133	3.08	4.61	37	27	43	35
2 x 10 rm	7/1.35	1.0	1.2	7.8x13.0	9.6x16.0	328	201	1.83	3.08	50	37	60	47
2 x 16 rm	7/1.70	1.0	1.3	9.0x15.5	11.0x18.5	474	271	1.15	1.91	66	49	80	62

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

