

BYA FLEXIBLE or BYA FLEXIBLE-FR or BYA FLEXIBLE-FRLS

1 Core (Cu/PVC)

PVC (Skin coated) Insulated Non-sheathed Single Core Flexible Cable

APPLICATION

These types are permitted for the inner wiring of equipment, distributor and switchboards and also for protective laying to the lightings with a nominal voltage up to 1000 V alternating current or up to 750 V direct current against earth.

STANDARD

BS 6004
IEC 60332 & IEC 61034

VOLTAGE GRADE

U₀/U : 450/750V

COLOR

Insulation 
(Red, Yellow, Blue, Black, Green, Yellow-Green)

CONSTRUCTION

Conductor: Flexible, Plain annealed copper, Class-5 to IEC 60228

Insulation:
PVC (Skin Coated), T11 to BS 7655
PVC-FR (Skin Coated), T11-FR to BS 7655
PVC-FRLS (Skin Coated), T11-FRLS to BS 7655



PHYSICAL DATA					ELECTRICAL DATA			
Nominal cross sectional area of conductor	No. of strands & diameter of wire	Nominal thickness of insulation	Overall Diameter		Approx. weight of cable	Max. D.C resistance of conductor at 20 °C	Current rating at 35 °C	
			Lower limit	Upper limit			in conduit	in air
Core x mm ²	nos./mm	mm	mm	mm	kg/km	ohm/km	amps	amps
1 x 1.5 rm	30/0.25	0.7	2.8	3.4	24	13.30	18	22
1 x 2.5 rm	50/0.25	0.8	3.4	4.1	34	7.98	24	30
1 x 4.0 rm	56/0.30	0.8	3.9	4.8	52	4.95	32	39
1 x 6.0 rm	84/0.30	0.8	4.4	5.3	72	3.30	41	50
1 x 10 rm	80/0.40	1.0	5.7	6.8	118	1.91	57	67
1 x 16 rm	126/0.40	1.0	6.7	8.1	180	1.21	75	90
1 x 25 rm	196/0.40	1.2	8.4	10.2	278	0.780	96	105
1 x 35 rm	276/0.40	1.2	9.7	11.7	376	0.554	119	140
1 x 50 rm	396/0.40	1.4	11.5	13.9	536	0.386	142	170
1 x 70 rm	360/0.50	1.4	13.2	16.0	735	0.272	182	215
1 x 95 rm	475/0.50	1.6	15.1	18.2	992	0.206	222	260
1 x 120 rm	608/0.50	1.6	16.7	20.2	1233	0.161	255	302
1 x 150 rm	756/0.50	1.8	18.6	22.5	1540	0.129	298	355
1 x 185 rm	950/0.50	2.0	20.6	24.9	1900	0.106	339	408
1 x 240 rm	1221/0.50	2.2	23.5	28.4	2482	0.0801	401	476

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

