

## TWIN FLAT CABLE WITH EARTH CONTINUITY CONDUCTOR 300/500V

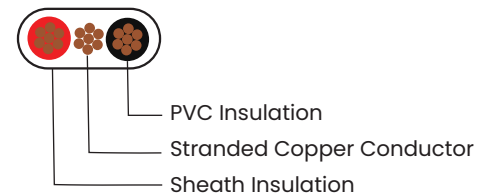
<b>Application</b>	:	Can be used in Domestic wiring and can be installed in fixed installations in dry or damp premises clipped to surfaces, on trays or in free air where the risk of mechanical damage would not be an issue. Suitable for laying in conduit or trunking where mechanical protection is required.
<b>Standards</b>	:	BS 6004
<b>Conductor</b>	:	Solid (Class 1) & Stranded (Class 2) plain copper conductors to EN 60228
<b>Insulation</b>	:	PVC (Polyvinyl Chloride) as per EN 50363-3
<b>Insulation Colour</b>	:	Red, Black or Blue, Brown
<b>Sheath</b>	:	PVC (Polyvinyl Chloride) as per BS 7655-4.2
<b>Sheath Colour</b>	:	Grey
<b>Voltage Rating(Uo/U)</b>	:	300/500 V
<b>Max. Permissible Conductor Temperature</b>	:	During Normal Operation - 70°C During Short Circuit Condition - 160°C



### PVC Insulated and PVC Sheathed, Twin Flat Cables with Bare Earth Continuity Conductor, Rated Voltage 300/500V

PHYSICAL PROPERTIES									
Catalogue Number	Number of Core and Nominal Cross Section Area	Class of Conductor	Nominal Insulation Thickness	Nominal Sheath Thickness	Earth Continuity Conductor Cross Section Area	Class of Conductor	Overall Diameter		Weight of Finished Cable Approx
							Lower Limit	Upper Limit	
	No. SQ.MM		MM	MM	SQ.MM		MM	MM	Kg/Km
NFE*CY020010S05	2 X 1.0	1	0.60	0.90	1.0	1	3.9 X 7.2	4.8 X 8.7	69
NFE*CY020015S05	2 X 1.5	1	0.70	0.90	1.0	1	4.4 X 8.1	5.3 X 9.7	86
NFE*CY020025S05	2 X 2.5	1	0.80	1.0	1.5	1	5.1 X 9.6	6.2 X 11.7	126
NFE*CY020040ST05	2 X 4.0	2	0.80	1.0	1.5	1	5.7 X 10.8	6.9 X 13.1	198
NFE*CY020060ST05	2 X 6.0	2	0.80	1.10	2.5	1	6.4 X 12.4	7.8 X 15.0	255
NFE*CY020100ST05	2 X 10	2	1.0	1.20	4.0	2	7.9 X 15.6	9.5 X 18.9	390
NFE*CY020160ST05	2 X 16	2	1.0	1.30	6.0	2	8.9 X 18.1	10.8 X 21.9	568

ELECTRICAL PROPERTIES			
Cable Size	Current Rating (Clipped Direct)	Maximum DC Resistance at 20°C	Minimum Insulation Resistance at 70°C
Sq.mm	Amps (A)	Ohm/km	MΩ-km
1	16	18.10	0.011
1.5	21	12.10	0.011
2.5	30	7.41	0.010
4	39	4.61	0.0077
6	50	3.08	0.0065
10	68	1.83	0.0065
16	93	1.15	0.0052



**Notes:** N(\*) Add sheath colour

Cables can be supplied in Coil/Reel/Drum with meters/yards/feet.

The above data is indicative & may be changed without prior information.