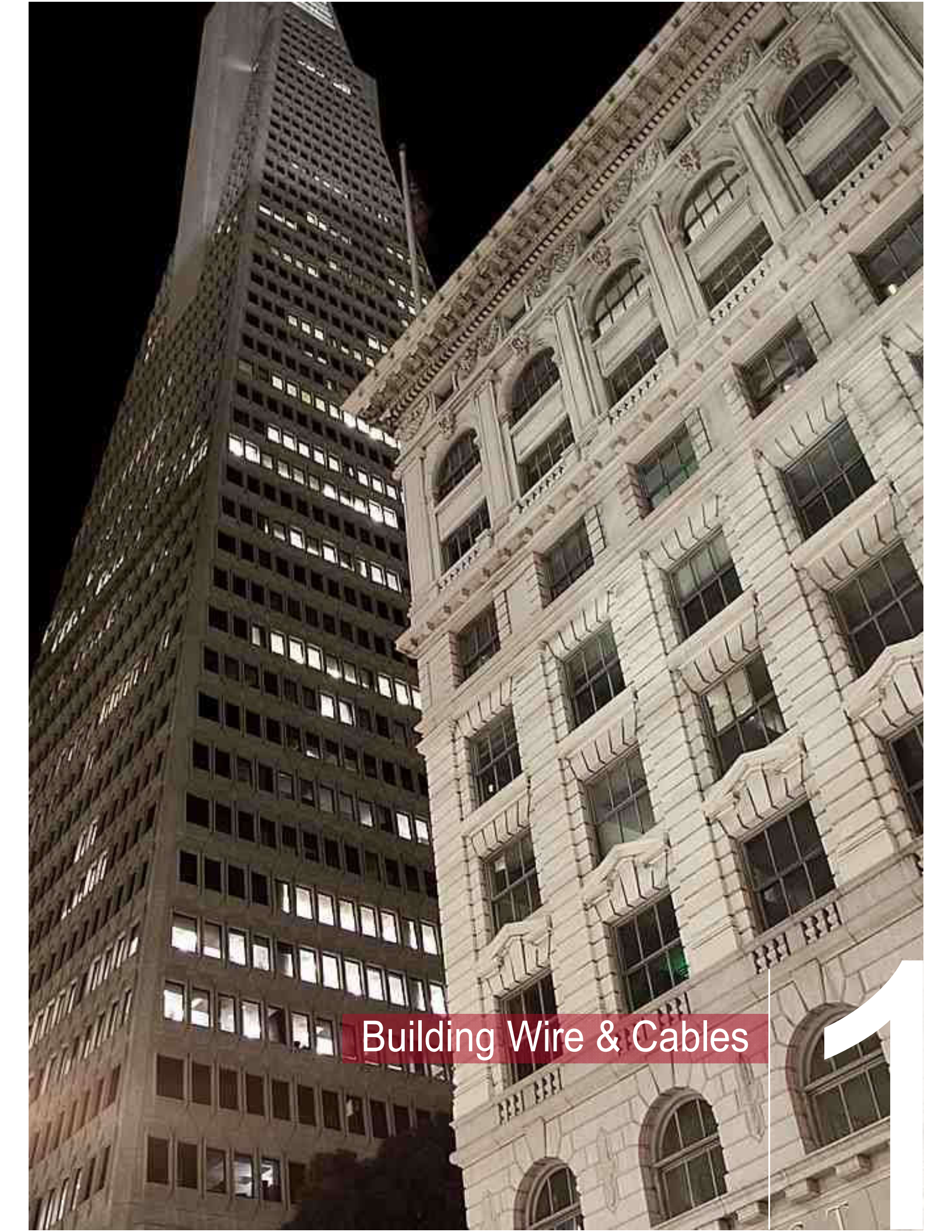


سیم و کابلهای ساختمانی





Building Wire & Cables



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Building Wire & Cables

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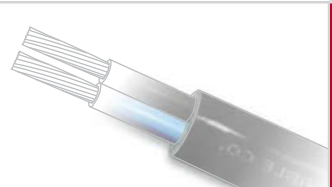
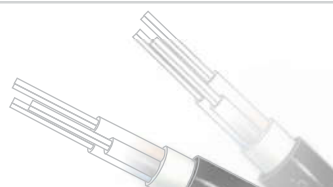
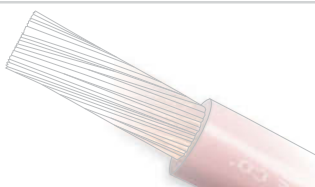
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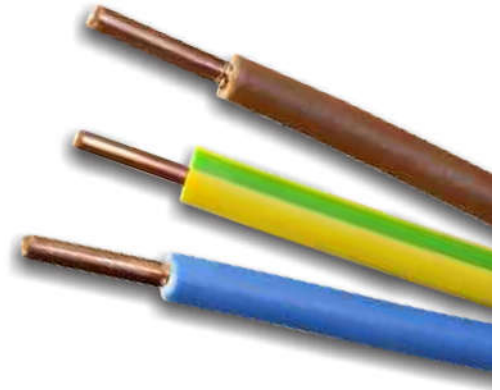
Technical information & Tables



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Solid & Stranded Wire NYA

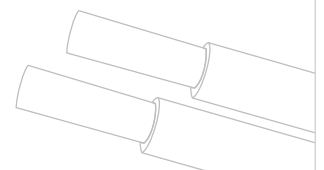
- **Rated Voltage :** 450/750V
- **Applicable Standard:** IEC 60227, IEC 60228, ISIRI (607)3
- **Code Designation According to ISIRI:** (607) 01
- **Construction :**
Conductor: Plain annealed copper wire (class 1&2)
Insulation Type: P.V.C / C
- **Maximum Conductor Temperature:** 70°C
For Single Core Cables No Preferred Colour Scheme, Colour as Per Request
- **Application:** These Wires Are Used For General Purposes as Building, Lighting



No. of Cores & Cross Section	Nominal Insulation Thickness	Overall diameter (Approx)	Total Weight (Approx.)
mm ²	mm	mm	kg/km
1x1.5 RE	0.7	2.8	20
1x1.5 RM	0.7	3.0	21
1x2.5 RE	0.8	3.4	32
1x2.5 RM	0.8	3.6	32
1x4 RE	0.8	3.9	47
1x4 RM	0.8	4.2	49
1x6 RE	0.8	4.4	67
1x6 RM	0.8	4.7	68
1x10 RE	1.0	5.6	111
1x10 RM	1.0	6.1	114
1x16 RM	1.0	7.0	171
1x25 RM	1.2	8.3	264
1x35 RM	1.2	9.4	361
1x50 RM	1.4	10.9	512
1x70 RM	1.4	12.7	704
1x95 RM	1.6	14.6	953
1x120 RM	1.6	16.2	1191
1x150 RM	1.8	17.8	1487
1x185 RM	2.0	20.0	1836
1x240 RM	2.2	22.5	2373
1x300 RM	2.4	25.1	2960
1x400 RM	2.6	28.8	3927

- **Rated Voltage:** 300/500V
- **Code Designation According to ISIRI:** (607) 05.

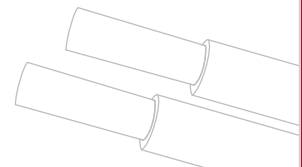
No. of Cores & Cross Section	Nominal Insulation Thickness	Overall diameter (Approx)	Total Weight (Approx.)
mm ²	mm	mm	kg/km
1x0.5	0.6	2.0	9
1x0.75	0.6	2.2	12
1x1	0.6	2.3	15



Solid Wire

- **Rated Voltage :** 300/500V
- **Applicable Standard:** IEC 60227, IEC 60228, ISIRI (607) 3
- **Code Designation According to ISIRI:** (607) 07
- **Construction :**
 Conductor: Plain annealed copper wire (class 1)
 Insulation Type: P.V.C / E
- **Maximum Conductor Temperature:** 90°C
 For Single Core Cables There Is No Preferred Colour Scheme, Colour as Per Request
- **Application:** In dry Indoors, In Electric Panel and Devices, Can Be Laid in Conduit Which Is Under or Over Plaster.

No. of Cores & Cross Section mm ²	Nominal Insulation Thickness mm	Overall diameter (Approx) mm	Total Weight (Approx.) kg/km
1x0.5	0.6	2.0	8
1x0.75	0.6	2.2	11
1x1	0.6	2.3	13
1x1.5	0.7	2.8	20
1x2.5	0.8	3.4	32



Flexible Wire NYAF - NYFAF (H07V-K)

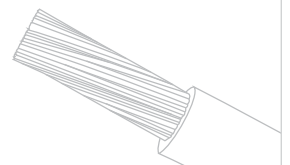
- **Rated Voltage:** 450/750V
- **Applicable Standard:** IEC 60227, IEC 60228, ISIRI (607) 3
- **Code Designation According to ISIRI:** (607) 02
- **Construction :**
 Conductor: Plain Annealed Copper Wire (Class 5)
 Insulation Type: P.V.C / C
- **Maximum Conductor Temperature:** 70°C
 For Single Core Cables No Preferred Colour Scheme, Colour as Per Request
- **Application:**
 This Wire Is Used For The Wiring Of Switch Control, Relay and Instrument Panel Of Power Switch-Gear ,and Such Purpose as Internal Connections In Rectifier Equipment and In Motor Starters and Controllers, Where Operation at Temperature 70°



No. of Cores & Cross Section	Nominal Insulation Thickness	Overall diameter (Approx)	Total Weight (Approx.)
mm ²	mm	mm	kg/km
1x1.5	0.7	2.9	20
1x2.5	0.8	3.6	33
1x4	0.8	4.2	48
1x6	0.8	5.1	70
1x10	1.0	6.6	115
1x16	1.0	7.9	175
1x25	1.2	9.8	273
1x35	1.2	11.2	370
1x50	1.4	13.4	527
1x70	1.4	15.4	720
1x95	1.6	17.7	975
1x120	1.6	19.9	1215
1x150	1.8	22.2	1521
1x185	2.0	24.3	1874
1x240	2.2	27.7	2422

- **Rated Voltage:** 300/500V
- **Code Designation According to ISIRI:** (607) 06.

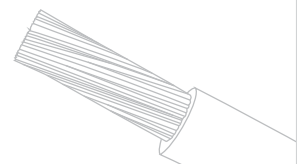
No. of Cores & Cross Section	Nominal Insulation Thickness	Overall diameter (Approx)	Total Weight (Approx.)
mm ²	mm	mm	kg/km
1x0.5	0.6	2.1	8
1x0.75	0.6	2.3	11
1x1	0.6	2.5	14



Flexible Wire

- **Rated Voltage:** 300/500V
- **Applicable Standard:** IEC 60227, IEC 60228, ISIRI (607)3
- **Code Designation According to ISIRI:** (607) 08.
- **Construction :**
 Conductor: Plain annealed copper wire (class 5)
 Insulation Type: P.V.C / E
- **Maximum Conductor Temperature:** 90°C
 For Single Core Cables There Is No Preferred Colour Scheme, Colour Is Per Request
- **Application:** In Dry Indoors, In Electric Panel & Devices, Can Be Laid in Conduit Which Is Under or Over Plaster.

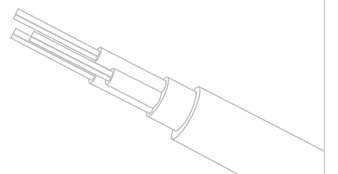
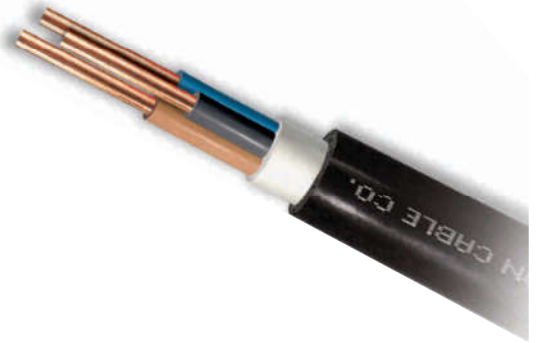
No. of Cores & Cross Section	Nominal Insulation Thickness	Overall diameter (Approx)	Total Weight (Approx.)
mm ²	mm	mm	kg/km
1x0.5	0.6	2.1	8
1x0.75	0.6	2.3	11
1x1	0.6	2.5	14
1x1.5	0.7	2.8	20
1x2.5	0.8	3.4	32



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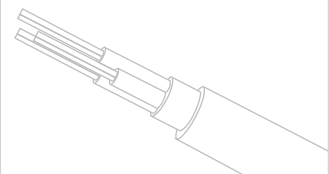
Solid & Stranded Cables

- **Rated Voltage:** 300/500 V
- **Applicable Standard:** ISIRI 607- 4
- **Code Designation according to ISIRI:** (607) 10
- **Construction :**
 - Conductor: Plain Annealed Copper Wire (class 1,2)
 - Insulation Type: P.V.C / C
 - Color Scheme:
 - 2 cores:no preferred color scheme.
 - 3 cores:Green/Yellow, Light Blue, Brown
Grey, Black, Brown.
 - 4 cores:Green/Yellow, Light Blue, Grey, Black
Light Blue, Black, Brown,Grey.
 - 5 cores:Green/Yellow,Light Blue,Black,Brown,Grey
Light Blue,Black,Brown, Grey, Black.
 - Sheath Material: P.V.C/ST4
- **Maximum conductor temperature:** 70°C
- **Application:** For Industrial and Wiring Purposes in the Open, Dry, Damp and Wet Enviroment in the Open and Concealed, as Well as in Masonary and in Between, Not Suitable for Imbedding Solidified / Concrete.



Solid & Stranded Cables

No. of Cores & Cross Section	Nominal Insulation Thickness	Nominal Sheat Thickness	Overall diameter (Approx)	Total Weight (Approx.)
mm ²	mm	mm	mm	kg/km
2x1.5 RM	0.7	1.2	9.1	122
2x1.5 RE	0.7	1.2	8.8	116
2x2.5 RM	0.8	1.2	10.4	167
2x2.5 RE	0.8	1.2	10.0	158
2x4 RM	0.8	1.2	11.5	218
2x4 RE	0.8	1.2	10.9	204
2x6 RM	0.8	1.2	12.6	280
2x6 RE	0.8	1.2	11.9	262
2x10 RM	1.0	1.4	16.1	461
2x10 RE	1.0	1.4	15.1	428
2x16	1.0	1.4	18.0	632
2x25	1.2	1.4	21.0	911
2x35	1.2	1.6	24.0	1237
3x1.5 RM	0.7	1.2	9.6	138
3x1.5 RE	0.7	1.2	9.2	130
3x2.5 RM	0.8	1.2	11.0	190
3x2.5 RE	0.8	1.2	10.5	180
3x4 RM	0.8	1.2	12.2	253
3x4 RE	0.8	1.2	11.5	239
3x6 RM	0.8	1.4	13.8	342
3x6 RE	0.8	1.4	13.0	325
3x10 RM	1.0	1.4	17.1	541
3x10 RE	1.0	1.4	16.0	512
3x16	1.0	1.4	19.5	771
3x25	1.2	1.6	22.7	1130
3x35	1.2	1.6	25.5	1502
4x1.5RM	0.7	1.2	10.4	164
4x1.5RE	0.7	1.2	9.9	155
4x2.5RM	0.8	1.2	11.9	230
4x2.5RE	0.8	1.2	11.4	221
4x4 RM	0.8	1.4	13.6	321
4x4 RE	0.8	1.4	12.9	307
4x6 RM	0.8	1.4	15.4	437
4x6 RE	0.8	1.4	14.6	420
4x10 RM	1.0	1.4	18.6	672
4x10 RE	1.0	1.4	17.5	643
4x16	1.0	1.4	21.3	968
4x25	1.2	1.6	25.3	1454
4x35	1.2	1.6	27.9	1901
5x1.5RM	0.7	1.2	11.2	202
5x1.5RE	0.7	1.2	10.7	192
5x2.5RM	0.8	1.2	12.9	286
5x2.5ER	0.8	1.2	12.3	273
5x4 RM	0.8	1.4	15.2	416
5x4 ER	0.8	1.4	14.4	396
5x6 RM	0.8	1.4	16.7	544
5x6 RE	0.8	1.4	15.8	521
5x10 RM	1.0	1.4	20.3	843
5x10 RE	1.0	1.4	19.0	803
5x16	1.0	1.6	23.7	1241
5x25	1.2	1.6	27.6	1827
5x35	1.2	1.6	31.0	2432



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Flexible Cables : NYMHY

- **Rated Voltage:** 300/500 V
- **Applicable Standard:** IEC 60227, IEC 60228
- **Code Designation according to ISIRI:** (607) 53

- **Construction :**

Conductor: Plain Annealed Copper Wire (class 5)

Insulation Type: P.V.C / D

Color Scheme:

2 cores: no preferred color scheme.

3 cores: Green/Yellow, Light Blue, Brown
Grey, Black, Brown.

4 cores: Green/Yellow, Light Blue, Grey, Black
Light Blue, Black, Brown, Grey.

5 cores: Green/Yellow, Light Blue, Black, Brown, Grey
Light Blue, Black, Brown, Grey, Black.

Sheath Material: P.V.C/ST5

- **Maximum conductor temperature:** 70°C

- **Application:** In Dry Locations; Also in Damp and Wet Locations, Not in Industrial or Agricultural Premises, But Permitted in Tailors Shops and Similar Premises. Permitted for Connecting Cooking and Heating Appliances Only if There is No Possibility of Contact Between the Cable and Hot Parts of the Appliance or Other Sources of Heat.



Nominal Insulation Cross Section	No. of Cores & Thickness	Nominal Sheath Thickness	Overall diameter (Approx)	Total weight (Approx)
mm ²	mm	mm	mm	kg/km
2x0.75	0.6	0.8	6.3	56
2x1	0.6	0.8	6.6	64
2x1.5	0.7	0.8	7.4	84
2x2.5	0.8	1.0	9.0	129
3x0.75	0.6	0.8	6.7	67
3x1	0.6	0.8	7.0	77
3x1.5	0.7	0.9	8.1	107
3x2.5	0.8	1.1	9.8	164
4x0.75	0.6	0.8	7.3	82
4x1	0.6	0.9	7.9	99
4x1.5	0.7	1.0	9.0	136
4x2.5	0.8	1.1	10.7	204
5x0.75	0.6	0.9	8.1	43.89
5x1	0.6	0.9	8.6	47.94
5x1.5	0.7	1.1	10.1	67
5x2.5	0.8	1.2	11.9	90.67

