

A05VV-U, A05VV-R

NYM

Cable for fixed installation with insulation and outer sheath of PVC. Rated voltage 300/500 V

Description

Copper cable with solid or stranded copper conductor suitable for installation in dry or wet places.

Design

1. Copper conductor
2. PVC Insulation
3. PVC Outer sheath

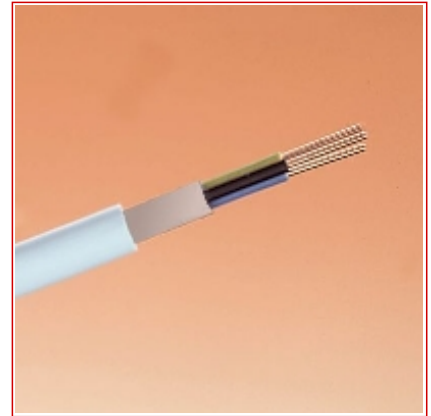
Core marking

2-cores: Brown, Blue

3-cores: Brown, Yellow-green, Blue

4-cores: Brown, Black, Grey, Yellow-green

5-cores: Brown, Black, Grey, Yellow-green, Blue

**Standards**

International HD 21.4

National ELOT 563.4

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Characteristics

Construction characteristics	
Conductor material	Copper
Insulation	PVC
Outer sheath	PVC
Sheath colour	White
Electrical characteristics	
Rated Voltage U ₀ /U	300 / 500 V

Two cores

Cross section [mm ²]	Type of conductor	Wire section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC-resist. conductor 20°C [Ohm/km]	Maximum permissible nominal current [A]	Voltage drop, single phase [V/A.km]	Voltage drop, 3 conductors [V/A.km]
1.5	U	-	10.0	115	12.1	20	29.0	-
2.5	U	-	11.5	155	7.41	27	18.0	-
4	U	-	12.5	205	4.61	36	11.0	-
6	U	-	13.5	260	3.08	47	7.3	-
10	R	-	17.5	415	1.83	65	4.4	-
16	R	-	20.0	630	1.15	87	2.8	-
25	R	-	24.0	935	0.727	115	1.75	-
35	R	-	27.5	1250	0.524	143	1.25	-

Three cores

Cross section [mm ²]	Type of conductor	Wire section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC-resist. conductor 20°C [Ohm/km]	Maximum permissible nominal current [A]	Voltage drop, single phase [V/A.km]	Voltage drop, 3 conductors [V/A.km]
1.5	U	-	10.5	135	12.1	20	29.0	25.0
2.5	U	-	12.0	185	7.41	27	18.0	15.0
4	U	-	13.0	250	4.61	36	11.0	9.5
6	U	-	14.5	330	3.08	47	7.3	6.4
10	R	-	19.0	520	1.83	65	4.4	3.8
10	R	1.5	19.0	550	1.83	65	4.4	3.8
16	R	-	21.5	790	1.15	87	2.8	2.4
25	R	-	26.0	1200	0.727	115	1.75	1.5
35	R	-	29.0	1585	0.524	143	1.25	1.1

Four cores

Cross section [mm ²]	Type of conductor	Wire section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC-resist. conductor 20°C [Ohm/km]	Maximum permissible nominal current [A]	Voltage drop, single phase [V/A.km]	Voltage drop, 3 conductors [V/A.km]
1.5	U	-	11.5	160	12.1	20	29.0	25.0
2.5	U	-	13.0	230	7.41	27	-	15.0
4	U	-	14.5	310	4.61	36	-	9.5

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Cross section [mm ²]	Type of conductor	Wire section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC-resist. conductor 20°C [Ohm/km]	Maximum permissible nominal current [A]	Voltage drop, single phase [V/A.km]	Voltage drop, 3 conductors [V/A.km]
6	U	-	16.0	420	3.08	47	-	6.4
10	R	-	20.5	635	1.83	65	-	3.8
16	R	-	23.5	985	1.15	87	-	2.4
25	R	-	28.5	1500	0.727	115	-	1.5
35	R	-	32.0	1955	0.524	143	-	1.1

Five cores

Cross section [mm ²]	Type of conductor	Wire section [mm ²]	Nom. outer diam. [mm]	Approx. weight [kg/km]	Max. DC-resist. conductor 20°C [Ohm/km]	Maximum permissible nominal current [A]	Voltage drop, single phase [V/A.km]	Voltage drop, 3 conductors [V/A.km]
1.5	U	-	12.0	190	12.1	20	-	25.0
2.5	U	-	14.0	265	7.41	27	-	15.0
4	U	-	16.0	375	4.61	36	-	9.5
6	U	-	17.5	485	3.08	47	-	6.4
10	R	-	22.0	760	1.83	65	-	3.8
10	R	1.5	22.0	790	1.83	65	-	3.8
16	R	-	26.0	1205	1.15	87	-	2.4
16	R	1.5	26.0	1235	1.15	87	-	2.4
25	R	-	31.5	1820	0.727	115	-	1.5
35	R	-	35.0	2400	0.524	143	-	1.1

Selling delivery information

Note: U: solid conductor, R: round stranded conductor