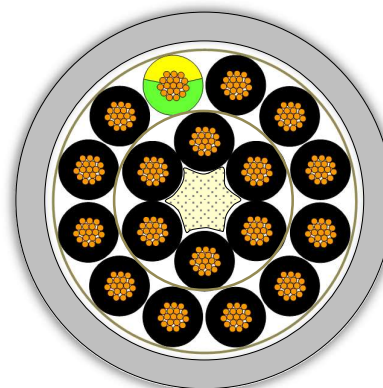


Flamar Signal & Control UNSHD PUR

≤0.34mm² - AWM Style 20233 (80°C / 300V)
≥0.50mm² - AWM Style 21223 (80°C / 1000V)



CONSTRUCTION

Conductor
Flexible bare copper conductor Cl.6
According to IEC60228 / VDE0295

Insulation
Polyolefin compound

Color Cores
≤ 0.34mm² according to DIN47100
≥ 0.50mm² Black numbered, one
Yellow/Green core

Protective Tape
Nonwovens tape over each layer.

Jacket
PUR (ether base), 90 ShA
Compound accordance to UL758
Color Jacket: Grey similar RAL7001

Packaging
Wood drums or Plywood spools

TECHNICAL DATA

Nominal Voltage
≤ 0.34mm² - 300 Vrms
≥ 0.50mm² - 1000 Vrms

Test Voltage
≤ 0.34mm² - 1500 V
≥ 0.50mm² - 3000 V

Temperature
-50°C to +90°C (Fixed)**
-40°C to +80°C (Flexible)

Bending Radius
5 x D (Fixed)

RESISTANCE

Flame Resistance
UL Cable flame test
CSA FT1
IEC60332-1-2

Oil Resistance
According to UL758

Approval
Halogen free according to
CEI EN 60754-1 / VDE 0482-754-1

UV Resistance
Silicone, Pb, Cd, Hg, FCKW free

RoHS compliant
2014/35/UE; 2011/65/CE; 2015/863/UE

UKCA compliant
Electrical Equipment (Safety) Regulations 2016
The Restriction of the Use of Certain Hazardous
Substances in Electrical and Electronic
Equipment Regulations 2012.

Movement Data @20°C

Minimum bending radius*: 5 x D (up to 1 Mio Bending cycles / 2 Mio Stroke)**
Minimum bending radius*: 7.5 x D (up to 5 Mio Bending cycles / 10 Mio Stroke)**
Max speed*: 300 m/min
Max acceleration*: 10 m/sec²

*The given values have been tested individually

** for 7 cores construction, bending cycles are halved

*** In fixed position, are not provided accidental crushing, vibration.

PRINTING TEXT

Black ink

E172949 AWM STYLE 20233 80°C 300V - AWM I/II A/B 80°C 300V FT1 - "construction cable" - CE - RoHS - UKCA "week/year" "meters"

E172949 AWM STYLE 21223 80°C 1000V - AWM I/II A/B 80°C 1000V FT1 - "construction cable" - CE - RoHS - UKCA "week/year" "meters"

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CABLE CONSTRUCTION

MOLEX part number	N° cores x Cross Section				Outer Diameter		Cable Weight (Kg/Km)
1572407507	7	x	0.25	mm ²	6	±0.25 mm	45
1572410506	10	x	0.25	mm ²	6.7	±0.25 mm	59
1572412515	12	x	0.25	mm ²	7	±0.25 mm	67
1572202532	2	x	0.34	mm ²	4.9	±0.25 mm	31
1572204571	4	x	0.34	mm ²	5.4	±0.25 mm	38
1572102519	2	x	0.5	mm ²	5.6	±0.25 mm	39
1572103518	3	G	0.5	mm ²	5.9	±0.25 mm	45
1572104524	4	G	0.5	mm ²	6.3	±0.25 mm	57
1572105511	5	G	0.5	mm ²	6.8	±0.25 mm	67
1572107511	7	G	0.5	mm ²	7.9	±0.25 mm	80
1572112514	12	G	0.5	mm ²	9.5	±0.3 mm	120
1572114501	14	G	0.5	mm ²	10	±0.3 mm	140
1572118510	18	G	0.5	mm ²	11.2	±0.3 mm	173
1572125510	25	G	0.5	mm ²	13.3	±0.4 mm	237
1572134502	34	G	0.5	mm ²	15	±0.5 mm	301
1572150501	50	G	0.5	mm ²	17.5	±0.5 mm	
1571902515	2	x	0.75	mm ²	6.2	±0.25 mm	49
1571903521	3	G	0.75	mm ²	6.5	±0.25 mm	57
1571904519	4	G	0.75	mm ²	7	±0.25 mm	66
1571905509	5	G	0.75	mm ²	7.6	±0.25 mm	79
1571907509	7	G	0.75	mm ²	9.1	±0.3 mm	111
1571912520	12	G	0.75	mm ²	10.8	±0.3 mm	163
1571916502	16	G	0.75	mm ²	11.9	±0.3 mm	
1571918508	18	G	0.75	mm ²	12.6	±0.3 mm	230
1571925505	25	G	0.75	mm ²	15.2	±0.5 mm	291
1571802515	2	x	1	mm ²	6.4	±0.25 mm	54
1571803522	3	G	1	mm ²	6.7	±0.25 mm	62
1571804528	4	G	1	mm ²	7.3	±0.25 mm	74
1571805511	5	G	1	mm ²	8	±0.25 mm	93
1571807516	7	G	1	mm ²	9.5	±0.3 mm	126
1571808502	8	G	1	mm ²	10.1	±0.3 mm	139
1571812509	12	G	1	mm ²	11.3	±0.3 mm	193
1571816501	16	G	1	mm ²	12.3	±0.3 mm	
1571818509	18	G	1	mm ²	13.2	±0.4 mm	277
1571825506	25	G	1	mm ²	16	±0.5 mm	377
1571602506	2	x	1.5	mm ²	7	±0.25 mm	71
1571603518	3	G	1.5	mm ²	7.4	±0.25 mm	86
1571604528	4	G	1.5	mm ²	8	±0.25 mm	102
1571605524	5	G	1.5	mm ²	8.9	±0.3 mm	126
1571607513	7	G	1.5	mm ²	10.5	±0.3 mm	169
1571608502	8	G	1.5	mm ²	11.3	±0.3 mm	
1571612507	12	G	1.5	mm ²	12.7	±0.3 mm	266
1571618505	18	G	1.5	mm ²	15	±0.4 mm	388
1571625502	25	G	1.5	mm ²	18.2	±0.5 mm	545

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CABLE CONSTRUCTION

MOLEX part number	N° cores x Cross Section				Outer Diameter		Cable Weight (Kg/Km)
1571402504	2	x	2.5	mm ²	8.4	±0.3 mm	110
1571403510	3	G	2.5	mm ²	9.1	±0.3 mm	138
1571404517	4	G	2.5	mm ²	10	±0.3 mm	168
1571405506	5	G	2.5	mm ²	10.8	±0.3 mm	202
1571407507	7	G	2.5	mm ²	13	±0.3 mm	246
1571412502	12	G	2.5	mm ²	16.1	±0.5 mm	437
1571418501	18	G	2.5	mm ²	18.9	±0.5 mm	627
1571425502	25	G	2.5	mm ²	23.2	±0.7 mm	894
1571204509	4	G	4	mm ²	11.4	±0.3 mm	236
1571205502	5	G	4	mm ²	12.5	±0.3 mm	283
1571004503	4	G	6	mm ²	13.6	±0.4 mm	357
1570804502	4	G	10	mm ²	17.7	±0.5 mm	550
1570604501	4	G	16	mm ²	22	±0.7 mm	863

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