






AWM Style 20234 (80°C / 1000V)



## General Construction

 <b>Conductor:</b>	Flexible bare copper (Class 5) Acc. to 60228
<b>Insulation:</b>	PP
<b>Core Identification:</b>	Colours acc. to DIN VDE 0293 (HD308) G: green/yellow
<b>Screen:</b>	Aluminum foil, polyester film, external metal part; coverage 100%
<b>Sheath:</b>	Outer sheath: PVC Colour: black

## Technical data

 <b>Nominal voltage:</b>	1000 V (UL) 0,6/1 kV (IEC)
 <b>Test voltage:</b>	4 kV
 <b>Insulation resistance:</b>	200 MΩ x km
 <b>Operating temperature range:</b>	-40°C to +80°C (Fixed) -5°C to +80°C (Flex)
<b>Flame:</b>	IEC 60332-1; CSA FT1; UL VW-1

## Movement Data @20°C

 <b>Bending radius:</b>	4 x Ø (Fixed) 15 x Ø (Flex)
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## Approval

Oil-resistant: yes

UV-resistant: yes

Name	Cable Type	Ø mm	Weight Kg/Km
9Y4G1,5UR	4 x 1,5	8,8	128,0
9Y4G2,5UR	4 x 2,5	10,1	181,0
9Y4G4UR	4 x 4	11,7	253,0
9Y4G6UR	4 x 6	13,5	353,0
9Y4G10UR	4 x 10	16,5	560,0
9Y4G16UR	4 x 16	20,0	844,0
9Y4G25UR	4 x 25	24,5	1.284,0
9Y4G35UR	4 x 35	27,9	1.730,0
9Y4G50UR	4 x 50	33,9	2.502,0
9Y4G70UR	4 x 70	39,7	3.425,0
9Y4G95UR	4 x 95	44,8	4.539,0
9Y4G120UR	4 x 120	47,8	5.489,0
9Y4G150UR	4 x 150	53,3	6.851,0
9Y4G185UR	4 x 185	59,3	7.999,0
9Y4G240UR	4 x 240	68,0	10.399,0
9Y3X1,5+3G0,25UR	3 x 1,5 + 3 x 0,25	8,7	117,0
9Y3X2,5+3G0,50UR	3 x 2,5 + 3 x 0,5	10,1	168,0
9Y3X4+3G0,75UR	3 x 4 + 3 x 0,75	11,3	228,0
9Y3X6+3G1UR	3 x 6 + 3 x 1	12,4	302,0
9Y3X10+3G1,5UR	3 x 10 + 3 x 1,5	15,2	615,0
9Y3X16+3G2,5UR	3 x 16 + 3 x 2,5	18,3	819,0
9Y3X25+3G4UR	3 x 25 + 3 x 4	22,5	1.325,0
9Y3X35+3G6UR	3 x 35 + 3 x 6	25,5	1.718,0
9Y3X50+3G10UR	3 x 50 + 3 x 10	30,8	2.399,0
9Y3X70+3G10UR	3 x 70 + 3 x 10	36,1	3.056,0
9Y3X95+3G16UR	3 x 95 + 3 x 16	41,0	4.162,0
9Y3X120+3G16UR	3 x 120 + 3 x 16	43,8	5.074,0
9Y3X150+3G25UR	3 x 150 + 3 x 25	48,7	6.128,0
9Y3X185+3G35UR	3 x 185 + 3 x 35	54,2	7.820,0
9Y3X240+3G50UR	3 x 240 + 3 x 50	61,4	10.245,0



**LOW VOLTAGE CURRENT CARRYING CAPACITY**

Current-carrying capacity (IZ) insulated flexible copper conductors, ambient air temperature +40°C for different methods of installation with correction factor based on ambient temperature

Section mm <sup>2</sup>	PUR / XLPE / HEPR (40°C)		Cables on walls	PVC (40°C)
	Cables on walls	Cables on open cable trays		
0,75	-	-	9,8	10,4
1	-	-	11,7	12,4
1,5	19,9	20,9	15,2	16,1
2,5	27,7	29,1	21	22
4	36,3	38,2	28	30
6	46,7	49,1	36	37
10	64,8	68,3	50	52
16	86,5	91,0	66	70
25	109,8	115,6	84	88
35	136,6	143,8	104	110
50	166,0	174,7	125	133
70	212,7	223,9	160	171
95	257,6	271,2	194	207
120	299,1	314,9	225	240
150	344,9	363,1	259,5	275
185	394,2	415,0	295,3	313
240	465,1	489,6	349	370
300	536,9	565,1	404,8	429
400	-	-	457,6	485
500	-	-	515	546

**CORRECTION FACTORS FOR TEMPERATURE**

Ambient temperature °C	30	35	40	45	50	55	60
Correction factor	1,15	1,08	1	0,91	0,82	0,71	0,58