PLASTHERM® 90 °C

PVC insulation
PVC sheathing
UL and cUL approval

C US

1 • UL and cUL approved conductors with PVC insulation.
2 • Outer sheath: PVC.

Characteristics

General

- Continuous operating temperatures: -30 °C to +90 °C.
- Good resistance to common chemical environments.

Electrical

- Rated voltage: as per style no.
- Test voltage: 10 x Rated voltage.

Standard products

- Single conductors: UL and cUL approved PVC insulated conductors (≥ 90 °C).
- Standard outer sheath colours: black or grey.
- Stranding of conducting cores: contact us.

Approvals - standards

- UL approval as per standard UL 758 - File no.: E101965.
- cUL approval (CSA) as per standard C22.2 No. 210 - File no.: E101965.
- "Cable flame test" as per UL approval.
- "FT1 flame rating" as per cUL approval.

Applications

- External or internal cabling for electrical appliances.

Options

- Electrical shielding: Tin-plated copper braid, or aluminium tape + continuity wire.
- Other outer sheath colours: contact us.
- Other nominal cross-sections: contact us.
- Other style nos. available: styles no. 2549, 20132, 2550, 2653.

Style no.			2654-Y90		2587-Y90	
Approval			90 °C – 300 V AWM II A/B		90 °C – 600 V AWM II A/B	
No. of cond.	Nominal cross-section AWG	Nominal cross-section (mm²)	Nominal diameter* of the cond. (mm)	Nominal diameter* of the cable (mm)	Nominal diameter* of the cond. (mm)	Nominal diameter* of the cable (mm)
2	26	0.13	1.2	3.9	2.1	5.7
3	26	0.13	1.2	4.1	2.1	6.1
4	26	0.13	1.2	4.4	2.1	6.6
5	26	0.13	1.2	4.8	2.1	7.2
7	26	0.13	1.2	5.1	2.1	7.8
2	24	0.22	1.4	4.3	2.2	5.9
3	24	0.22	1.4	4.5	2.2	6.3
4	24	0.22	1.4	4.9	2.2	6.8
5	24	0.22	1.4	5.3	2.2	7.5
7	24	0.22	1.4	5.7	2.2	8.1
2	22	0.34	1.6	4.7	2.3	6.1
3	22	0.34	1.6	5.0	2.3	6.5
4	22	0.34	1.6	5.4	2.3	7.1
5	22	0.34	1.6	5.8	2.3	7.7
7	22	0.34	1.6	6.3	2.3	8.4
2	-	0.5	1.7	4.9	2.45	6.4
3	-	0.5	1.7	5.2	2.45	6.8
4	-	0.5	1.7	5.6	2.45	7.4
5	-	0.5	1.7	6.1	2.45	8.1
7	-	0.5	1.7	6.6	2.45	8.9
2	20	0.6	1.8	5.1	2.6	6.7
3	20	0.6	1.8	5.4	2.6	7.1
4	20	0.6	1.8	5.9	2.6	7.8
5	20	0.6	1.8	6.4	2.6	8.5
7	20	0.6	1.8	6.9	2.6	9.3
2	-	0.75	1.9	5.3	2.65	6.8
3	-	0.75	1.9	5.6	2.65	7.2
4	-	0.75	1.9	6.1	2.65	7.9
5	-	0.75	1.9	6.7	2.65	8.7
7	-	0.75	1.9	7.2	2.65	9.5
2	18	0.93	2.05	5.6	2.8	7.1
3	18	0.93	2.05	5.9	2.8	7.6
4	18	0.93	2.05	6.5	2.8	8.3
5	18	0.93	2.05	7.1	2.8	9.1
7	18	0.93	2.05	7.7	2.8	9.9
2	-	1	2.1	5.7	2.8	7.1
3	-	1	2.1	6.1	2.8	7.6
4	-	1	2.1	6.6	2.8	8.3
5	-	1	2.1	7.2	2.8	9.1
7	-	1	2.1	7.8	2.8	9.9
2	16	1.34	2.3	6.1	3.0	7.5
3	16	1.34	2.3	6.5	3.0	8.0
4	16	1.34	2.3	7.1	3.0	8.8
5	16	1.34	2.3	7.7	3.0	9.6
7	16	1.34	2.3	8.4	3.0	10.5
2	-	1.5	2.4	6.3	3.1	7.7
3	-	1.5	2.4	6.7	3.1	8.2
4	-	1.5	2.4	7.3	3.1	9.0
5	-	1.5	2.4	8.0	3.1	9.9
7	-	1.5	2.4	8.7	3.1	10.8
2	14	-	2.7	6.9	3.45	8.4
3	14	-	2.7	7.4	3.45	9.0
4	14	-	2.7	8.0	3.45	9.8
5	14	-	2.7	8.8	3.45	10.8
7	14	-	2.7	9.6	3.45	11.9
Conducting metal			BCDEFG		BCDEFG	

KEY

Conducting metals
B Tin-plated copper
B* Tin-plated copper (ø > 0.38 mm)
C Nickel-plated copper
D Silver-plated copper
E Nickel
F Bare copper
F* Bare copper (ø > 0.38 mm)
G Nickel-plated copper 27 %

AWM I A Internal wiring, not subject to mechanical abuse
AWM I A/B Internal wiring
AWM II A/B External or Internal wiring

NS Not Specified
VNS Voltage Not Specified

■: UL approved nominal cross-sections only.

* The diameter is provided for information purposes as it may vary depending on the stranding of the core.
Only the average thickness of insulation or the sheathing should be taken into account.

For this product, please contact:

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