

PLASTHERM®

Style 21209

Polyurethane sheathing

UL and cUL approval



- 1 • UL approved conductors.
- 2 • Outer sheath: Polyurethane

Characteristics

General

- Continuous operating temperatures: -20 °C to +90 °C.
- Excellent resistance to common chemical environments.
- Excellent mechanical strength and resistance to abrasion.

Electrical

- Rated voltage: 125 to 1 000 V according to style no. of single conductors used.
- Test voltage: 10 x Rated voltage.

Standard products

- Single conductors: UL and cUL approved PVC insulated conductors (≥ 90 °C -125 °C at 1 000 V).
- Standard outer sheath colour: black.
- 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

- Other outer sheath colours: contact us.
- Other nominal cross-sections: contact us.

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:

OMERIN division principale ✓
Zone Industrielle - F 63600 Ambert
Tel. (33) 04 73 82 50 00 - Fax (33) 04 73 82 50 10
omerin@omerin.com



Style no.	21209-E90		21209-W12		21209-F90	
Approval	90 °C - 300 V		90 °C - 600 V		90 °C - 1,000 V	
Single conductor style no.	Style 10125		Style 10900		Style 10203	
	AWM I/II A/B		AWM I/II A/B		AWM I/II A/B	
No. of cond.	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	0.75	3.1	1.2	4.0
3	26	0.13	0.75	3.2	1.2	4.1
4	26	0.13	0.75	3.4	1.2	4.5
5	26	0.13	0.75	3.6	1.2	4.8
7	26	0.13	0.75	3.8	1.2	5.2
2	24	0.22	0.9	3.4	1.4	4.4
3	24	0.22	0.9	3.5	1.4	4.6
4	24	0.22	0.9	3.7	1.4	4.9
5	24	0.22	0.9	4.0	1.4	5.4
7	24	0.22	0.9	4.3	1.4	5.8
2	22	0.34	1.05	3.7	1.5	4.6
3	22	0.34	1.05	3.8	1.5	4.8
4	22	0.34	1.05	4.1	1.5	5.2
5	22	0.34	1.05	4.4	1.5	5.6
7	22	0.34	1.05	4.7	1.5	6.1
2	-	0.5	1.25	4.1	1.7	5.0
3	-	0.5	1.25	4.2	1.7	5.2
4	-	0.5	1.25	4.6	1.7	5.7
5	-	0.5	1.25	4.9	1.7	6.2
7	-	0.5	1.25	5.3	1.7	6.7
2	20	0.6	1.3	4.2	1.75	5.1
3	20	0.6	1.3	4.4	1.75	5.3
4	20	0.6	1.3	4.7	1.75	5.8
5	20	0.6	1.3	5.1	1.75	6.3
7	20	0.6	1.3	5.5	1.75	6.8
2	-	0.75	1.4	4.4	2.0	5.6
3	-	0.75	1.4	4.6	2.0	5.9
4	-	0.75	1.4	4.9	2.0	6.4
5	-	0.75	1.4	5.4	2.0	7.0
7	-	0.75	1.4	5.8	2.0	7.6
2	18	0.93	1.55	4.7	2.1	5.8
3	18	0.93	1.55	4.9	2.1	6.1
4	18	0.93	1.55	5.3	2.1	6.6
5	18	0.93	1.55	5.8	2.1	7.3
7	18	0.93	1.55	6.2	2.1	7.9
2	-	1	1.65	4.9	2.9	7.4
3	-	1	1.65	5.1	2.9	7.8
4	-	1	1.65	5.5	2.9	8.6
5	-	1	1.65	6.0	2.9	9.4
7	-	1	1.65	6.5	2.9	10.3
2	16	1.34	1.9	5.4	3.0	7.6
3	16	1.34	1.9	5.6	3.0	8.0
4	16	1.34	1.9	6.1	3.0	8.8
5	16	1.34	1.9	6.7	3.0	9.7
7	16	1.34	1.9	7.3	3.0	10.6
2	-	1.5	2	5.6	3.1	7.8
3	-	1.5	2	5.9	3.1	8.2
4	-	1.5	2	6.4	3.1	9.0
5	-	1.5	2	7.0	3.1	10.0
7	-	1.5	2	7.6	3.1	10.9
2	14	-	2.25	6.1	3.4	8.4
3	14	-	2.25	6.4	3.4	8.9
4	14	-	2.25	7.0	3.4	9.8
5	14	-	2.25	7.7	3.4	10.8
7	14	-	2.25	8.3	3.4	11.8

Conducting metal

BCDF

BCDF

BCDF

www.omerin.com

The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force. For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.

© Registered trademark of the OMERIN Group. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.