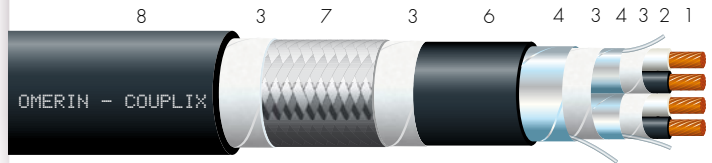


COUPLIX® FR

Pyrometry cables (Extension and compensation)



- 1 • Stranded core extension: JX, KX, EX, TX or compensation: BC, KCB.
- 2 • Insulation: silicone rubber as per NF C 32-090 + optional filler(s).
- 3 • Optional separating tape.
- 4 • (optional) Individual electrical screen (EI): aluminium/PET tape + continuity wire.
- 5 • General electrical screen: aluminium/PET tape + continuity wire (EG) / tin-plated copper braid (BE) / bare copper braid (BR).
- 6 • (optional) Internal sheath: HFFR, type ST8 as per IEC 60502-1.
- 7 • (optional) Armour: galvanized steel braid (BG) / double steel tape (FA).
- 8 • Outer sheath: HFFR, type ST8 as per IEC 60502-1.

Reference

- (example) COUPLIX® JX FR EI BG 2P0,5 mm²
JX, TX, KX, EX, BC, KCB: type of extension cable or compensation cable
FR : fire resistant
EI, EG, BE, BR: type of electrical screen
BG, FA: type of armour
2P: number of pairs
0.5 mm²: cross-section in mm²

Approvals - standards

- IEC 60332-1 / IEC 60332-3 / NF C 32-070 test C1.
- IEC 61034-2 / IEC 60754-1 / IEC 60754-2.
- IEC 60584-1 / IEC 60584-2 / IEC 60584-3.

Markings

- OMERIN – COUPLIX < xx FR xx xx >
< cross-section > - < batch > - < year >

Category

- Extension cable – tolerance class: 1.
- Compensation cable – tolerance class: 2.

Colour code

IEC

Form

Round

Technical characteristics

Thermal

- Temperature of insulation under continuous operation: -30 °C to +80 °C.

Electrical

- Test voltage: 500 V.

Smoke - fire

- Flame retardant – cable alone:
IEC 60332-1-2 / NF EN 60332-1-2 / NF C 32-070 test C2.
- Flame retardant – bunched cable:
IEC 60332-3-22 cat. A / NF EN 60332-3-22 cat. A.
- Fire retardant: NF C 32-070 test C1.
- Low smoke density: IEC 61034-2 / NF EN 61034-2.
- Halogen-free: IEC 60754-1 / NF EN 60754-1.
- Low corrosivity of gas emissions: IEC 60754-2 / NF EN 60754-2.

Resistance of outer sheath to chemical attacks as per OMERIN test report NT140220-01:

- Good resistance to acid.
- Good resistance to base.
- Fairly good resistance to aliphatic hydrocarbons.
- Resistance to water: type AD7 as per IEC 60529 without immersion of ends.
- Resistance to UV ≥ 2000 hours as per EN 16472.

Options

- Other extension cable or compensation cable: contact us.
- 105 °C cable: contact us.
- Other colour code: contact us.

For this product, please contact:

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LES CABLES DE L'EXTREME

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.
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Number of pairs	Nominal cross-section (mm ²)	Nominal stranding	Nominal thickness of insulation (mm)	Nominal diameter of conductors (mm)	NON-SHIELDED CABLES Nominal outside diameter* (mm)		ARMOURED CABLES Nominal outside diameter* (mm)	
					EG	EI	EG	EI
1	0.5	7 / 0.30	0.6	2.1	5.6		8.6	
2 **	0.5	7 / 0.30	0.6	2.1	6.5	9.0	9.5	12.1
3	0.5	7 / 0.30	0.6	2.1	9.0	9.9	12.1	13.0
4	0.5	7 / 0.30	0.6	2.1	10.2	11.0	13.5	14.3
5	0.5	7 / 0.30	0.6	2.1	11.4	12.2	14.7	15.7
6	0.5	7 / 0.30	0.6	2.1	12.6	13.5	16.1	17.0
7	0.5	7 / 0.30	0.6	2.1	12.6	13.5	16.1	17.0
8	0.5	7 / 0.30	0.6	2.1	14.4	15.2	18.0	18.9
9	0.5	7 / 0.30	0.6	2.1	15.8	16.6	19.5	20.6
12	0.5	7 / 0.30	0.6	2.1	17.0	18.1	21.0	22.0
19	0.5	7 / 0.30	0.6	2.1	20.2	21.3	24.2	25.5
24	0.5	7 / 0.30	0.6	2.1	23.7	25.2	27.8	29.5
37	0.5	7 / 0.30	0.6	2.1	27.3	28.8	31.7	33.2
1	1	14 / 0.30	0.6	2.5	6.4		9.5	
2 **	1	14 / 0.30	0.6	2.5	7.7	10.6	10.9	13.9
3	1	14 / 0.30	0.6	2.5	11.0	11.5	14.4	14.8
4	1	14 / 0.30	0.6	2.5	12.2	12.8	15.8	16.3
5	1	14 / 0.30	0.6	2.5	13.6	14.2	17.2	17.8
6	1	14 / 0.30	0.6	2.5	14.8	15.7	18.5	19.5
7	1	14 / 0.30	0.6	2.5	14.8	15.7	18.5	19.5
8	1	14 / 0.30	0.6	2.5	16.8	17.7	20.9	21.7
9	1	14 / 0.30	0.6	2.5	18.4	19.2	22.4	23.2
12	1	14 / 0.30	0.6	2.5	20.1	21.0	24.1	25.1
19	1	14 / 0.30	0.6	2.5	23.5	24.6	27.8	28.8
24	1	14 / 0.30	0.6	2.5	27.8	29.3	32.3	33.7
37	1	14 / 0.30	0.6	2.5	32.1	33.6	36.8	38.2

* The rated outer diameter of cables may vary by +/- 20 % depending on the options selected.

** The two pairs with general electrical screen (EG) are twisted like a quad cable.

For this product, please contact:

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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.

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