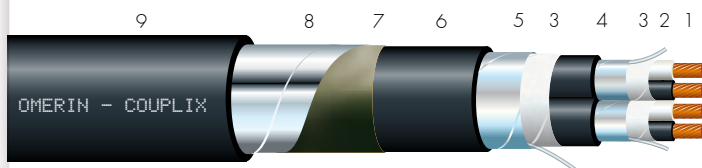


# COUPLIX® RH

## Pyrometry cables (Extension and compensation)



- 1 • Solid core or stranded core extension: JX, KX, EX, TX or compensation: BC, KCA, KCB.
- 2 • Insulation: PVC as per NF M 87-201 + optional filler(s).
- 3 • Optional separating tape.
- 4 • (optional) Individual electrical screen (EI): aluminium/PET tape + continuity wire + PVC sheath.
- 5 • General electrical screen: aluminium/PET tape + continuity wire.
- 6 • (optional) Internal sheath: Hydrocarbon resistant PVC as per NF M 87-201.
- 7 • (optional) Bedding: waxed crepe paper.
- 8 • (optional) Armour: double steel tape (FA).
- 9 • Outer sheath: Hydrocarbon resistant PVC as per NF M 87-201.

### Reference

- (example) COUPLIX® JX RH EI FA 2P0,5 mm<sup>2</sup>  
JX, TX, KX, EX, BC, KCA, KCB:  
type of extension cable or compensation cable  
RH: Hydrocarbon resistant  
EI, EG: type of electrical screen  
FA, SF: type of armour (SF = no armour)  
2P: number of pairs  
0.5 mm<sup>2</sup>: cross-section in mm<sup>2</sup>

### Approvals - standards

- IEC 60332-1.
- IEC 60584-1 / IEC 60584-2 / IEC 60584-3.
- Inspired by standard NF M 87-201 for oil industry.

### Markings

- OMERIN – COUPLIX < xx RH xx xx >  
< cross-section > – NF M 87-201 – < batch > – < year >  
(if described in standard)
- OMERIN – COUPLIX < xx RH xx xx >  
< cross-section > – < batch > – < year >  
(if not described in standard)

### Category

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

### Colour code

IEC

### Form

Round

For this product, please contact:

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**omerin**  
LES CABLES DE L'EXTREME

### Technical characteristics

#### Thermal

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

#### Electrical

- Test voltage: 500 V.

#### Fire

- Flame retardant – cable alone:  
IEC 60332-1-2 / NF EN 60332-1-2 / NF C 32-070 test C2.

#### Resistance of outer sheath to chemical attacks as per OMERIN test report NT140404-01:

- Good resistance to acid.
- Good resistance to base.
- Excellent resistance to aliphatic hydrocarbons as per NF M 87-202.
- Excellent resistance to mineral oil in IRM 902.
- Resistance to water: type AD7 as per IEC 60529 without immersion of ends.

### Options

- Other extension cables or compensation cables: contact us.
- Other colour codes: contact us.

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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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**Strandings described in standard NF M 87-201:**

Types of cables available: (extension) TX, JX, KX, (compensation) KCA, KCB.

Number of pairs	Nominal cross-section (mm <sup>2</sup> )	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
3	0.5	1 / 0.80	0.45	1.7	8.6	13.6	12.6	17.9
7	0.5	1 / 0.80	0.45	1.7	11.1	18.0	15.4	22.5
12	0.5	1 / 0.80	0.45	1.7	14.0	24.4	18.5	29.3
19	0.5	1 / 0.80	0.45	1.7	16.8	28.5	21.3	33.6
27	0.5	1 / 0.80	0.45	1.7	19.3	34.5	24.0	39.8
1	1	14 / 0.30	0.6	2.5	7.4		11.3	

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

**Stranding not described in standard NF M 87-201:**

All types of extension cable or compensation cable

Number of pairs	Nominal cross-section (mm <sup>2</sup> )	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	0.45	1.8	5.8		9.7	
2 **	0.5	7 / 0.30	0.45	1.8	6.7	12.7	10.5	17.1
3	0.5	7 / 0.30	0.45	1.8	8.6	13.7	12.6	18.2
4	0.5	7 / 0.30	0.45	1.8	9.3	15.1	13.5	19.6
5	0.5	7 / 0.30	0.45	1.8	10.3	16.7	14.5	21.4
6	0.5	7 / 0.30	0.45	1.8	11.2	18.4	15.6	23.1
7	0.5	7 / 0.30	0.45	1.8	11.2	18.4	15.6	23.1
8	0.5	7 / 0.30	0.45	1.8	12.5	20.9	16.9	25.8
9	0.5	7 / 0.30	0.45	1.8	13.7	22.8	18.2	27.7
12	0.5	7 / 0.30	0.45	1.8	14.8	24.6	19.3	29.7
19	0.5	7 / 0.30	0.45	1.8	17.5	29.4	22.2	34.7
27	0.5	7 / 0.30	0.45	1.8	20.7	34.8	25.6	40.3
37	0.5	7 / 0.30	0.45	1.8	23.7	40.2	28.6	45.9
1	1	14 / 0.30	0.6	2.5	7.2		11.1	
2 **	1	14 / 0.30	0.6	2.5	8.3	15.9	12.3	20.6
3	1	14 / 0.30	0.6	2.5	11.2	17.0	15.6	21.7
4	1	14 / 0.30	0.6	2.5	12.2	18.8	16.6	23.5
5	1	14 / 0.30	0.6	2.5	13.6	20.8	18.1	25.7
6	1	14 / 0.30	0.6	2.5	14.8	22.8	19.3	27.7
7	1	14 / 0.30	0.6	2.5	14.8	22.8	19.3	27.7
8	1	14 / 0.30	0.6	2.5	16.8	26.0	21.5	31.1
9	1	14 / 0.30	0.6	2.5	18.4	28.3	23.1	33.4
12	1	14 / 0.30	0.6	2.5	20.1	30.9	24.8	36.2
19	1	14 / 0.30	0.6	2.5	23.5	36.6	28.4	42.1
27	1	14 / 0.30	0.6	2.5	27.8	43.4	32.9	
37	1	14 / 0.30	0.6	2.5	32.1		37.4	

\* 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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