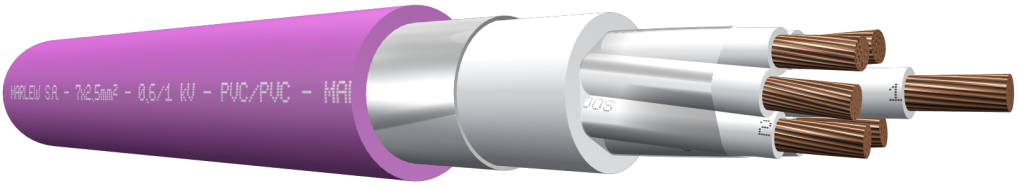
PotENCIAR CLAD series OF-F

Multiconductor Armour (Tape)



STEEL TAPE ARMOUR

0.6/1kV	*Flexible Cu 1 up to 4mm²*	*Up to 48 Conductors*	*PVC 70°C / PVC*

Control, signalling, measuring and protective equipment; electric controls of industrial installations. Installed in aerial trays, gutters or conduits, buried in ducts or directly buried. It has additional mechanical protection.

Fire-retardant

Flexible stranded conductors

Sequentially marked

Industrial applications

Tray cable

FEATURES

Temperature ratings: 75ºC (operating), 160°C (short circuit)
Voltage rating: 600/1000 Volt A.C. – 1200 Volt A.C. (Max) – 1500 Volt D.C.
Construction requirements: IRAM 2178-1 – IEC 60502-1
Conductor requirements: IRAM NM 280 – IEC 60228
Conductor: Annealed electrolytic copper - Flexible stranding class 5
Insulation: PVC
Bedding: PVC
Armour: Double galvanized steel helical tape
Sheath: Flame retardant PVC
Fire requirements: As per IEC 60332-3-24

IDENTIFICATION

	Standard	
	Sheath	Conductors
Multiconductor	●	○ alphanumeric identification

INSTALLATION

Installation temperature *Over conductors* *Minimum bend radius*

BUILD VARIANTS

The information provided corresponds to the standard version, and different alternatives of insulation and / or covering can be used upon request.

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ELECTRICAL CHARACTERISTICS

Resistances and intensity of admissible currents

Nominal cross-section sc mm²	Electrical resistance at 20ºC in C.C Ohm/km	Electrical resistance at 90ºC in C.A. Ohm/km	Current-carrying capacity in free air. At 40°C as per IEC 364-5-523. Formations in perforated trays or ladder type. (Ampere)						
			2x	4x	7x	10x	19x	30x	48x
1	19.5	23.3	--	--	--	--	--	--	--
1.5	13.3	15.9	18.1	15.3	12.7	9.1	9.1	8.1	6.3
2.5	7.98	9.55	25	21	17.5	12.5	12.5	11.3	8.8
4	4.95	5.92	33	29	23.1	16.5	16.5	14.9	--

As from seven-conductors, we've additionally applied the correction factor for more than three conductors the chart 310.15 (B)(3)(a) of the NFPA70.

DIMENSIONS & WEIGHT

Cable Formation N° Cond. x cross-section (mm²)	Diameter under armour mm	External diameter mm	Weight kg/km	Code
10x1	12.3	16.1	398	OF 1010 F
12x1	13.3	17.1	447	OF 1210 F
14x1	14.2	18.0	496	OF 1410 F
19x1	16.2	20.0	610	OF 1910 F
24x1	17.9	21.7	721	OF 2410 F
30x1	19.8	23.6	861	OF 3010 F
37x1	21.8	25.6	1007	OF 3710 F
48x1	24.5	28.3	1228	OF 4810 F
5x1.5	10.3	14.1	326	OF 0515 F
7x1.5	11.2	15.0	381	OF 0715 F
10x1.5	13.3	17.1	464	OF 1015 F
12x1.5	14.3	18.1	525	OF 1215 F
14x1.5	15.3	19.1	584	OF 1415 F
19x1.5	17.5	21.3	726	OF 1915 F
24x1.5	19.4	23.2	863	OF 2415 F
30x1.5	21.5	25.3	1036	OF 3015 F
37x1.5	23.6	27.4	1219	OF 3715 F
48x1.5	27.0	31.0	1543	OF 4815 F
3x2.5	10.0	13.8	319	OF 0325 F
4x2.5	10.5	14.3	349	OF 0425 F
5x2.5	11.5	15.3	402	OF 0525 F
7x2.5	12.5	16.3	478	OF 0725 F
10x2.5	14.8	18.6	589	OF 1025 F
12x2.5	16.1	19.9	671	OF 1225 F
14x2.5	17.2	21.0	752	OF 1425 F
19x2.5	19.7	23.5	949	OF 1925 F
24x2.5	21.8	25.6	1138	OF 2425 F
30x2.5	24.2	28.0	1374	OF 3025 F
37x2.5	26.7	30.7	1643	OF 3725 F
48x2.5	30.5	34.7	2087	OF 4825 F
2x4	10.9	14.7	358	OF 0240 F
3x4	11.6	15.4	409	OF 0340 F

These specifications are provided for illustrative purposes, and may be modified without prior notice.

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Cable Formation N° Cond. x cross-section (mm^2)	Diameter under armour mm	External diameter mm	Weight kg/km	Code
4x4	12.7	16.5	478	OF 0440 F
5x4	14.0	17.8	558	OF 0540 F
7x4	15.3	19.1	673	OF 0740 F
10x4	18.2	22.0	836	OF 1040 F
12x4	19.8	23.6	962	OF 1240 F
14x4	21.2	25.0	1085	OF 1440 F
19x4	24.3	28.1	1385	OF 1940 F
24x4	27.5	31.7	1739	OF 2440 F
30x4	30.5	34.7	2101	OF 3040 F
37x4	33.6	39.4	2919	OF 3740 F