

Distribution cable

3 conductors + neutral

Description

Neutral conductor

① **Core** : solid or stranded circular (class 2) aluminum depending on type.

② **Protection** : lead sheath

Phase conductor

③ **Core** : aluminum stranded circular (class 2) of solid round, cross section 50 mm²; stranded sector-shaped (class 2), cross section 95 to 240 mm².

④ **Insulation** : black XLPE .

⑤ **Watertight textile material**

⑥ **Armour** : two lapped galvanized mild steel tapes

⑦ **Filler** : PVC material only 50 mm².

⑧ **Sheath** : black PVC, special antitermite treatment possible.

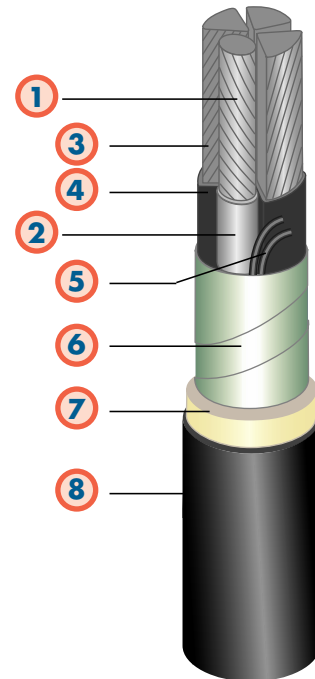


Table of marking

Section	Marking	
3 x 50 + 1 x 50	H1 XDV-AR 3 x 50 + 1 x 50 DISTRICABLE® 211 NF C 33-210	Manufact. number / manufact. year / metric marks/ manufact. date.
3 x 95 + 1 x 50	H1 XDV-AS 3 x 95 + 1 x 50 DISTRICABLE® 211 NF C 33-210	Manufact. number / manufact. year / metric marks / manufact. date.
3 x 150 + 1 x 70	H1 XDV-AS 3 x 150 + 1 x 70 DISTRICABLE® 211 NF C 33-210	Manufact. number / manufact. year / metric marks / manufact. date.
3 x 240 + 1 x 95	H1 XDV-AS 3 x 240 + 1 x 95 DISTRICABLE® 211 NF C 33-210	Manufact. number / manufact. year / metric marks / manufact. date.

Correction coefficients

To apply to the current in accordance with the ground temperature and its thermal resistivity

ground temp. (°C)	Ground thermal resistivity (K.m/W)						
	0,7	0,85	1	1,2	1,5	2	2,5
10	1.19	1.12	1.07	1.01	0.93	0.81	0.77
15	1.16	1.09	1.04	0.98	0.90	0.79	0.74
20	1.13	1.05	1.00	0.94	0.86	0.76	0.70
25	1.08	1.01	0.96	0.90	0.83	0.72	0.66
30	1.05	0.98	0.93	0.85	0.78	0.69	0.63
35	1.00	0.93	0.89	0.82	0.75	0.65	0.60

Technical characteristics

Sections (mm ²)	overall Diameter (mm)		Weight (kg/km)	Minimum Bending radius (mm)	Max. linear resistance at 20 °C (Ω/km)		Current (A)		Voltage drop between phases Cos Φ = 0,8 (V/A.km)
	minimum	maximum			Phase Cond.	Neutral Cond.	Buried cables	open air	
3 x 50 + 1 x 50	25.5	33.5	1670	270	0.641	0.641	160	149	1.18
3 x 95 + 1 x 50	30.0	38.6	1845	310	0.320	0.641	234	241	0.64
3 x 150 + 1 x 70	36.5	48.5	2570	390	0.206	0.443	300	324	0.51
3 x 240 + 1 x 95	45.5	58.7	3900	470	0.125	0.320	388	439	0.31