

Service connection single phase and three phase cables

with or without remote read wires

Description

Neutral Conductor

- ① **Core :** aluminum solid circular
- ② **Protection :** lead sheath.

Phase conductor

- ③ **Core :** aluminum solid circular
- ④ **Insulation :** black, brown or cream XPLE for three phase cable, black for single phase.
- ⑤ **Watertight material :** present for single phase, on request for three phase cable.
- ⑥ **Screen armour :** - two lapped galvanized mild steel tapes.
- ⑦ **Sheath :** black PVC, antitermite treatment possible, on demand.

⑧ Remote read wires

Core : Copper solid circular
2 x 2 x 0.6 mm.

Insulation :

- PVC for "350 m" quality (total length of communication circuit " 350 m),
- Polyolefine for "500 m" quality (total length of communication circuit " 500 m).

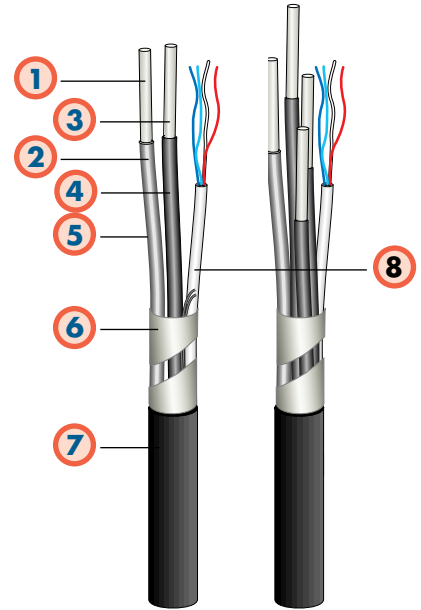
Assembly : stranded.

Screen : aluminum/polyester with continuity wire.

Sheath : PVC.

Marking

H1 XDVAU N x 35 + 1 x 35 + TELEREPORT 350m (500m)
MINIDISTRICABLE® 211 NF C 33-210/
C 33-400 ETANCHE (1)
«manufacturing number/manufacturing year»
«metric marking/manufacturing date».
with
N : number of phase conductors,
(1) if watertight material.



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

Core cross section (mm²)	Outer diameter (mm)				Weight (kg/km)	Minimum bending radius (mm)	Max. linear resistance of core at 20 °C (Ω/km)			Current (A) in continuous operation		Voltage drop between phases (V/A.km)	Capacitance of "Téléreport" 23 °C - 50 kHz (nF/km)		
	on core	on sheath		"Téléreport"			on "Téléreport" conductor	Phases and neutral (max.)	"Téléreport"		buried cables		open air	min.	max.
		min.	max.						mini.	maxi.					
1 x 35 + 1 x 35 + "Téléreport 350m"	6,6	20,0	27,0	5,5	0,92	765	240	0,868	120	133	160	135	1,77	80	173
3 x 35 + 1 x 35 + "Téléreport 350m"	6,6	23,3	30,0	5,5	0,92	1070	280	0,868	120	133	134	122	1,77	80	173
1 x 35 + 1 x 35 + "Téléreport 500m"	6,6	20,0	27,0	5,5	0,92	765	240	0,868	120	133	160	135	1,77	80	130
3 x 35 + 1 x 35 + "Téléreport 500m"	6,6	23,3	30,0	5,5	0,92	1070	280	0,868	120	133	134	122	1,77	80	130