



CARATTERISTICHE TECNICHE TECHNICAL FEATURES



	CONDUTTORE CONDUCTOR	Conduttore in alluminio a trefoli, classe 2 secondo IEC 60228 Stranded aluminium conductor, class 2 acc. to IEC 60228		GUAINA ESTERNA OUTER SHEATH	HDPE, colore nero HDPE, colour black
	SEMICONDUCTORE SEMICONDUCTOR	Semiconduttore estruso, incollato Extruded semiconductor, bonded type		GUAINA EDR EDR SHEATH	HDPE, colore rosso HDPE, colour red
	ISOLAMENTO INSULATION	Polietilene Reticolato XLPE secondo IEC 60502-2 Cross-Linked Polyethylene XLPE acc.to IEC 60502-2		TENSIONE DI ESERCIZIO OPERATING VOLTAGE	18 / 30 (36) kV
	SEMICONDUCTORE SEMICONDUCTOR	Semiconduttore estruso, rimuovibile Extruded semiconductor, strippable type		TEMP. MASSIMA DI ESERCIZIO MAX OPERATING TEMPERATURE	90°C
	SEMICONDUCTORE SEMICONDUCTOR	Nastro semiconduttore impermeabile Semiconductive waterblocking tape		TEMP. MASSIMA DI CORTOCIRCUITO MAX OPERATING TEMPERATURE	250°C
	SCHERMATURA SHIELD	Nastro di Alluminio Aluminium tape			

CONDIZIONI DI POSA A TRIFOGLIO LAYING CONDITIONS AT TREFOIL FORMATION

RESISTIVITÀ TERMICA DEL SUOLO THERMAL RESISTIVITY OF THE SOIL	120°C.Cm/Watt
PROFONDITÀ DI INTERRAMENTO BURIAL DEPTH	0.5m
TEMPERATURA DEL TERRENO SOIL TEMPERATURE	15°C
TEMPERATURA DELL'ARIA AIR TEMPERATURE	25°C
FREQUENZA FREQUENCY	50Hz

MARCATURA MARKING

AL/XLPE/HDPE/HDPE 18/30 kV

USO USE

Cavo adatto a posa interrata diretta, anche senza protezioni aggiuntive
Cable suitable for direct burial, even without additional protection

CORES X SIZE (N x mm ²)	OUTER DIAMETER (mm)±4mm	CABLE WEIGHT (kg/km)±5%	MIN BENDING RADIUS (mm)	MAX CONDUCTOR DC RESISTANCE AT 20°C (Ω/km)	COND. AC RESISTANCE AT MAX OPERATING TEMP. AND 50 Hz (Ω/km)	CONDUCTOR S.C.C FOR 1 sec (kA)
1 x 50	36.2	1112	725	0.641	0.822	4.72
1 x 70	37.8	1241	760	0.443	0.569	6.61
1 x 95	39.7	1391	795	0.32	0.411	8.98
1 x 120	41.1	1525	825	0.253	0.325	11.34
1 x 150	43.7	1728	875	0.206	0.265	14.17
1 x 185	44.6	1858	895	0.164	0.211	17.48
1 x 240	47.4	2142	950	0.125	0.161	22.68
1 x 300	50.2	2448	1005	0.1	0.129	28.35
1 x 400	53.1	2845	1065	0.0778	0.101	37.79
1 x 500	56.5	3304	1130	0.0605	0.079	47.24
1 x 630	61.8	4031	1240	0.0469	0.062	59.52
1 x 800	67	4850	1340	0.0367	0.049	75.59
1 x 1000	76.9	6239	1540	0.0291	0.04	94.48

CORES X SIZE (N x mm ²)	CAPACITANCE (µF/km)	CURRENT CARRYING CAPACITY			NOMINAL INSULATION THICKNESS (mm)	NOMINAL SHEATHING THICKNESS (mm)
		LAID IN GROUND	LAID IN DUCT	LAID IN FREE AIR		
1 x 50	0.138	171	138	192	8	2
1 x 70	0.153	210	171	238	8	2
1 x 95	0.167	252	201	287	8	2.1
1 x 120	0.18	290	235	331	8	2.1
1 x 150	0.199	321	263	378	8	2.2
1 x 185	0.208	368	292	431	8	2.2
1 x 240	0.229	425	350	511	8	2.3
1 x 300	0.251	478	399	588	8	2.4
1 x 400	0.273	549	463	683	8	2.5
1 x 500	0.299	621	533	800	8	2.6
1 x 630	0.343	721	618	930	8	2.7
1 x 800	0.385	817	656	1072	8	2.8
1 x 1000	0.45	944	880	1240	8	3