



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	12 / 20 (24) 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 12/20 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	30.4	818	610	0.641	0.822	4.72
1 x 70	32.4	954	650	0.443	0.569	6.61
1 x 95	33.9	1067	680	0.32	0.411	8.97
1 x 120	35.7	1212	715	0.253	0.325	11.33
1 x 150	37.9	1365	760	0.206	0.265	14.17
1 x 185	39.2	1516	785	0.164	0.211	17.48
1 x 240	41.6	1747	835	0.125	0.161	22.68
1 x 300	44.4	2028	890	0.1	0.129	28.35
1 x 400	47.3	2404	950	0.0778	0.101	37.79
1 x 500	50.7	2833	1015	0.0605	0.079	47.24
1 x 630	56	3510	1120	0.0469	0.062	59.52
1 x 800	61.6	4326	1235	0.0367	0.049	75.59
1 x 1000	71.1	5587	1425	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)
		LAI D IN GROUND	LAI D IN DUCT	LAI D IN FREE AIR		
1 x 50	0.177	171	141	187	5.5	1.8
1 x 70	0.198	210	173	234	5.5	1.9
1 x 95	0.217	252	212	283	5.5	1.9
1 x 120	0.236	290	243	327	5.5	2
1 x 150	0.264	321	273	371	5.5	2
1 x 185	0.276	368	308	426	5.5	2.1
1 x 240	0.307	422	364	507	5.5	2.1
1 x 300	0.337	472	416	584	5.5	2.2
1 x 400	0.369	545	483	678	5.5	2.3
1 x 500	0.408	613	554	796	5.5	2.4
1 x 630	0.47	718	645	917	5.5	2.5
1 x 800	0.531	812	732	1057	5.5	2.7
1 x 1000	0.626	940	878	1242	5.5	2.8