



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
	SEMICONDOTTORE 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
	SEMICONDOTTORE SEMICONDUCTOR	Semiconduttore estruso, rimuovibile Extruded semiconductor, strippable type		TEMP. MASSIMA DI ESERCIZIO MAX OPERATING TEMPERATURE	90°C
	SEMICONDOTTORE 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

SADA CAVI SPA NxS mm2 12/20 kV AL/XLPE/HDPE/HDPE YEAR Meter 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)
3 x 1 x 50	65.7	2464	1315	0.641	0.822	4.72
3 x 1 x 70	70	2878	1400	0.443	0.569	6.61
3 x 1 x 95	73.2	3225	1465	0.32	0.411	8.98
3 x 1 x 120	77.1	3658	1545	0.253	0.325	11.34
3 x 1 x 150	81.9	4123	1640	0.206	0.265	14.17
3 x 1 x 185	84.7	4579	1695	0.164	0.211	17.48
3 x 1 x 240	89.9	5283	1800	0.125	0.161	22.68
3 x 1 x 300	95.9	6134	1920	0.1	0.129	28.35
3 x 1 x 400	102.2	7273	2045	0.0778	0.101	37.79
3 x 1 x 500	109.5	8572	2190	0.0605	0.079	47.24

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 FREE AIR		
3 x 1 x 50	0.177	171	187	5.5	1.8
3 x 1 x 70	0.198	210	234	5.5	1.9
3 x 1 x 95	0.217	252	283	5.5	1.9
3 x 1 x 120	0.236	290	327	5.5	2
3 x 1 x 150	0.264	321	371	5.5	2
3 x 1 x 185	0.276	368	426	5.5	2.1
3 x 1 x 240	0.307	422	507	5.5	2.1
3 x 1 x 300	0.337	472	584	5.5	2.2
3 x 1 x 400	0.369	545	678	5.5	2.3
3 x 1 x 500	0.408	613	796	5.5	2.4