



CARATTERISTICHE TECNICHE TECHNICAL FEATURES



	CONDUTTORE CONDUCTOR	Conduttore in alluminio compatto a trefoli, classe 2 secondo IEC 60228 Stranded compacted aluminium conductor, class 2 acc. to IEC 60228		TEMP. MASSIMA DI ESERCIZIO MAX OPERATING TEMPERATURE	90°C
	ISOLAMENTO INSULATION	Polietilene Reticolato XLPE secondo IEC 60502-1 Cross-Linked Polyethylene XLPE acc.to IEC 60502-1		TEMP. MASSIMA DI CORTOCIRCUITO MAX OPERATING TEMPERATURE	250°C
	GUAINA ESTERNA OUTER SHEATH	PVC, colore grigio o nero UV resistant PVC, colour grey or black UV resistant		CONFORME CPR CPR COMPLIANT	Eca
	TENSIONE DI ESERCIZIO OPERATING VOLTAGE	0,6 / 1 (1,2) kV			

CONDIZIONI DI POSA IN PIANO A CONTATTO LAYING CONDITIONS AT FLAT TOUCHING FORMATION

RESISTIVITÀ TERMICA DEL SUOLO THERMAL RESISTIVITY OF THE SOIL	100°C.Cm/Watt
PROFONDITÀ DI INTERRAMENTO BURIAL DEPTH	0.8m
TEMPERATURA DEL TERRENO SOIL TEMPERATURE	20°C
TEMPERATURA DELL'ARIA AIR TEMPERATURE	30°C
FREQUENZA FREQUENCY	50Hz

MARCATURA MARKING

SADA CAVI SPA NxS mm² 0,6/1 kV CPR Eca SADA ALV year Meter Marking

SADA ALV 0,6/1 kV ECA

USO USE

Cavo adatto per la posa interrata diretta ad una profondità $\geq 0,8\text{m}$
Cable suitable for direct burial at boring depth $\geq 0.8\text{m}$

CORES X SIZE (N x mm ²)	OUTER DIAMETER (mm) $\pm 4\text{mm}$	CABLE WEIGHT (kg/km) $\pm 5\%$	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 16	8.5	99	130	1.91	2,435	1.51
1 x 25	10	139	150	1.2	1.53	2.36
1 x 35	11.1	174	170	0.868	1,107	3.31
1 x 50	12.6	224	190	0.641	0.817	4.72
1 x 70	14.4	304	220	0.443	0.565	6.61
1 x 95	15.9	378	240	0.32	0.408	8.98
1 x 120	17.5	469	265	0.253	0.323	11.34
1 x 150	20.3	589	305	0.206	0.263	14.17
1 x 185	21.6	704	325	0.164	0.209	17.48
1 x 240	24.4	897	370	0.125	0.159	22.68
1 x 300	27.2	1112	410	0.1	0.128	28.35
1 x 400	30.3	1407	455	0.0778	0.099	37.79
1 x 500	33.9	1768	510	0.0605	0.077	47.24
1 x 630	38.4	2277	580	0.0469	0.06	59.52

CORES X SIZE (N x mm ²)	CURRENT CARRYING CAPACITY		NOMINAL INSULATION THICKNESS (mm)	NOMINAL SHEATING THICKNESS (mm)
	LAI IN GROUND	LAI IN FREE AIR		
1 x 16	96	80	0.7	1.4
1 x 25	123	107	0.9	1.4
1 x 35	147	133	0.9	1.4
1 x 50	175	163	1	1.4
1 x 70	215	208	1.1	1.4
1 x 95	256	256	1.1	1.5
1 x 120	291	300	1.2	1.5
1 x 150	327	346	1.4	1.6
1 x 185	370	404	1.6	1.6
1 x 240	421	485	1.7	1.7
1 x 300	476	566	1.8	1.8
1 x 400	545	667	2	1.9
1 x 500	623	787	2.2	2
1 x 630	708	922	2.4	2.2