



## CARATTERISTICHE TECNICHE TECHNICAL FEATURES



### CONDUTTORE CONDUCTOR

Conduttore in alluminio compatto a trefo-  
li tondi, classe 2 secondo IEC 60228  
Round stranded compacted aluminium  
conductor, class 2 acc. to IEC 60228



### TEMP. MASSIMA DI CORTOCIRCUITO MAX OPERATING TEMPERATURE

250°C



### ISOLAMENTO INSULATION

Polietilene Reticolato XLPE secondo IEC  
60502-1  
Cross-Linked Polyethylene XLPE acc.to IEC  
60502-1



### TEMP. MASSIMA DI ESERCIZIO MAX OPERATING TEMPERATURE

90°C



### GUAINA ESTERNA OUTER SHEATH

HDPE, colore nero  
HDPE, colour black



### UV RESISTANT UV RESISTANT



### TENSIONE DI ESERCIZIO OPERATING VOLTAGE

1.8 / 3 (3.6) kV

## CONDIZIONI DI POSA A TRIFOGLIO

### LAYING CONDITIONS AT TREFOIL 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 1,8/3 kV AL/XLPE/HDPE IEC 60502-1 YEAR Meter Marking

# AL/XLPE/HDPE 1.8/3 kV

## USO USE

Questi cavi sono adatti per la posa interrata diretta a una profondità  $\geq 0,8\text{m}$ . Resistenza all'acqua AD7  
These cables are suitable for direct burial at boring depth  $\geq 0,8\text{m}$ . Water resistance AD7

CORES X SIZE (N x mm <sup>2</sup> )	OUTER DIAMETER (mm) $\pm 4\text{mm}$	CABLE WEIGHT (kg/km) $\pm 5\%$	MIN BENDING RADIUS (mm)	MAX CONDUCTOR DC RESISTANCE AT 20°C ( $\Omega/\text{km}$ )	COND. AC RESISTANCE AT MAX OPERATING TEMP. AND 50 Hz ( $\Omega/\text{km}$ )	CONDUCTOR S.C.C FOR 1 sec (kA)
1 x 16	11.1	121	170	1.91	2.435	1.51
1 x 25	12.2	155	185	1.2	1.53	2.36
1 x 35	13.3	192	200	0.868	1.107	3.31
1 x 50	14.6	237	220	0.641	0.817	4.72
1 x 70	16.2	314	245	0.443	0.565	6.61
1 x 95	17.7	388	270	0.32	0.408	8.98
1 x 120	19.3	481	290	0.253	0.323	11.34
1 x 150	21.5	578	325	0.206	0.263	14.17
1 x 185	22.6	686	340	0.164	0.209	17.48
1 x 240	25.2	864	380	0.125	0.159	22.68
1 x 300	27.6	1053	415	0.1	0.128	28.35
1 x 400	30.3	1317	455	0.0778	0.099	37.79
1 x 500	33.9	1660	510	0.0605	0.077	47.24
1 x 630	38.4	2148	580	0.0469	0.06	59.52
1 x 800	43.8	2786	660	0.0367	0.047	75.59

CORES X SIZE (N x mm <sup>2</sup> )	CURRENT CARRYING CAPACITY			NOMINAL INSULATION THICKNESS (mm)	NOMINAL SHEATING THICKNESS (mm)
	LAI IN GROUND	LAI IN DUCT*	LAI IN FREE AIR		
1 x 16	96	71	87	2	1.4
1 x 25	123	92	115	2	1.4
1 x 35	148	110	141	2	1.4
1 x 50	175	131	171	2	1.4
1 x 70	215	163	216	2	1.5
1 x 95	256	196	265	2	1.5
1 x 120	291	226	309	2	1.6
1 x 150	327	256	353	2	1.6
1 x 185	370	293	410	2	1.7
1 x 240	421	342	490	2	1.8
1 x 300	476	393	569	2	1.8
1 x 400	544	454	668	2	1.9
1 x 500	620	529	787	2.2	2
1 x 630	704	612	919	2.4	2.2
1 x 800	791	703	1070	2.6	2.3

\* = posati a trifoglio / at trefoil formation