ARE4H1RX 12/20 kV

MT

CARATTERISTICHE TECNICHE
TECHNICAL FEATURES

CONFORME CPR REG.305/2011/UE
CPR COMPLIANT REG.305/2011/UE

CONDUTTORE CONDUCTOR	Conduttore in alluminio a trefoli, classe 2 secondo IEC 60228 Stranded aluminium conductor, class 2 acc. to IEC 602	**NASTRO DI LEGATURA** BINDER TAPE	
SEMICONDUTTORE SEMICONDUCTOR	Semiconduttore estruso, incollato Extruded semiconductor, bonded type	**GUAINA ESTERNA** OUTER SHEATH	PVC, colore rosso PVC, 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
SEMICONDUTTORE SEMICONDUCTOR	Semiconduttore estruso, rimuovibile Extruded semiconductor, strippable type	**TEMP. MASSIMA DI ESERCIZIO** MAX OPERATING TEMPERATURE	90°C
SCHERMATURA SHIELD	Fili di rame con schermo a nastro di rame a elica Copper wires with Open Helix Copper Tape Screen	**TEMP. MASSIMA DI CORTOCIRCUITO** MAX OPERATING TEMPERATURE	250° C

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 12/20 kV ARE4H1RX IEC 60502-2 YEAR Meter Marking

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CORES X SIZE (N x mm²)	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	60.9	2425	915	0.641	0.822	4.72
3 x 1 x 70	64.8	2790	975	0.443	0.5682	6.61
3 x 1 x 95	68	3105	1020	0.32	0.4106	9.03
3 x 1 x 120	71.5	3494	1075	0.253	0.3248	11.34
3 x 1 x 150	76.2	4118	1145	0.206	0.2647	14.17
3 x 1 x 185	78.2	4476	1175	0.164	0.211	17.48
3 x 1 x 240	83.4	5129	1255	0.125	0.1613	22.68
3 x 1 x 300	89	5905	1335	0.1	0.1295	28.35
3 x 1 x 400	97	7357	1455	0.0778	0.1015	37.79

CORES X SIZE (N x mm²)	CAPACITANCE (µF/km)	COPPER SCREEN CSA (mm²)	CURRENT CARRYING CAPACITY		NOMINAL INSULATION THICKNESS (mm)	NOMINAL SHEATING THICKNESS (mm)
			LAID IN GROUND	LAID IN FREE AIR		
3 x 1 x 50	0.184	16	181	188	5.5	1.8
3 x 1 x 70	0.206	16	222	235	5.5	1.9
3 x 1 x 95	0.227	16	266	284	5.5	1.9
3 x 1 x 120	0.246	16	307	328	5.5	2
3 x 1 x 150	0.276	25	339	372	5.5	2
3 x 1 x 185	0.288	25	388	428	5.5	2.1
3 x 1 x 240	0.321	25	437	509	5.5	2.1
3 x 1 x 300	0.353	25	488	586	5.5	2.2
3 x 1 x 400	0.387	35	564	680	5.5	2.3