

INDUSTRIAL MEDIUM VOLTAGE CABLES

ARE4H5(GS)E

Single-core, overall aluminium screen, GAALSHOCK inner sheath 12/20 kV up to 18/30 kV



Construction:

Conductor:	stranded plain aluminium conductor Cl.2, acc. to IEC 60228
Insulation:	XLPE type DIX8
Inner semi-conductive layer:	extruded compound
Outer semi-conductive layer:	extruded compound
Wrapping:	semi-conductive watertight tape
Screen:	aluminium tape
Armour:	GAALTHERM® 600 (GAALSHOCK technology)
Outer sheath:	red(RAL 3000), PE type DMP

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1

Technical data:

Nominal voltage:	12/20 kV up to 18/30 kV
Test voltage:	12/20 kV = 29 kV 18/30 kV = 43 kV
Temperature range:	-25 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	13 x d

Features:

according to IEC 60502-2

GAALSHOCK PROTECTION:

- 1: Excellent mechanical protection than steel
- 2: Reduced weight
- 3: Installation, storage and transport reduced costs

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ELETTROTEK KABEL® ARE4H5(GS)E

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48140URL010M65	1 x 50	34,5	810	1
48140URL010M66	1 x 70	35,5	890	2/0
48140URL010M67	1 x 95	37	1000	3/0
48140URL010M68	1x 120	38,2	1100	4/0
48140URL010M69	1 x 150	39,5	1210	250 MCM
48140URL010M70	1 x 185	41,3	1370	350 MCM
48140URL010M71	1 x 240	44	1620	450 MCM
48140URL010M72	1 x 300	47,6	1900	550 MCM
48140URL010M73	1 x 400	51,3	2300	750 MCM
48140URL010M74	1 x 500	54,5	2710	1000 MCM
48140URL010M75	1 x 630	59,5	3310	1250 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48140XRL010M65	1 x 50	40,7	1110	1
48140XRL010M66	1 x 70	40,8	1150	2/0
48140XRL010M67	1 x 95	41,8	1240	3/0
48140XRL010M68	1x 120	42,9	1350	4/0
48140XRL010M69	1 x 150	43,6	1440	250 MCM
48140XRL010M70	1 x 185	45,1	1580	350 MCM
48140XRL010M71	1 x 240	47,4	1810	450 MCM
48140XRL010M72	1 x 300	50,9	2120	550 MCM
48140XRL010M73	1 x 400	54,6	2520	750 MCM
48140XRL010M74	1 x 500	58,1	2970	1000 MCM
48140XRL010M75	1 x 630	63	3590	1250 MCM

Other dimensions and colours available on request.