

INDUSTRIAL MEDIUM VOLTAGE CABLES

ARE4HIR

Single-core, overall copper wires + tape screen 12/20 kV up to 18/30 kV



Construction:

Conductor:	stranded plain aluminium conductor Cl.2, acc. to IEC 60228
Insulation:	XLPE compound
Inner semi-conductive layer:	extruded compound
Outer semi-conductive layer:	extruded compound
Screen:	red copper wires and one or two copper tape(s) applied helically
Outer sheath:	red(RAL 3000),PVC type RZ

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:	0 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	13 x d
Max. tensile stress:	60 N/mm ²

Features:

according to IEC 60502-2

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.)*
48120URL010M64	1 x 35	26,5	640	2
48120URL010M65	1 x 50	27,7	710	1
48120URL010M66	1 x 70	29,5	820	2/0
48120URL010M67	1 x 95	31,6	940	3/0
48120URL010M68	1 x 120	33	1080	4/0
48120URL010M69	1 x 150	34,2	1180	250 MCM
48120URL010M70	1 x 185	36,3	1360	350 MCM
48120URL010M71	1 x 240	38,8	1600	450 MCM
48120URL010M72	1 x 300	42,1	1890	550 MCM
48120URL010M73	1 x 400	45,4	2270	750 MCM
48120URL010M74	1 x 500	48,6	2685	1000 MCM
48120URL010M75	1 x 630	53,4	3280	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.)*
48120XRL010M65	1 x 50	33	960	1
48120XRL010M66	1 x 70	34,6	1070	2/0
48120XRL010M67	1 x 95	36,6	1220	3/0
48120XRL010M68	1x 120	38,1	1350	4/0
48120XRL010M69	1 x 150	39,5	1480	250 MCM
48120XRL010M70	1 x 185	41,4	1660	350 MCM
48120XRL010M71	1 x 240	44,1	1930	450 MCM
48120XRL010M72	1 x 300	47,4	2250	550 MCM
48120XRL010M73	1 x 400	50,7	2650	750 MCM
48120XRL010M74	1 x 500	53,9	3100	1000 MCM
48120XRL010M75	1 x 630	58,7	3730	1250 MCM

Other dimensions and colours available on request.