



HIGH-VOLTAGE-CLASS MV ABC

IEC 60502-2

7 orderable sizes

STANDARD IEC 60502-2	VOLTAGE CLASS 19/33 kV	CONDUCTOR 50 mm² aluminium, 70 mm² aluminium, 95 mm² aluminium, 120 mm² aluminium, 150 mm² aluminium, 185 mm² aluminium, 240 mm² aluminium
INSULATION / JACKET Black HDPE outer sheath		

Construction

- 1 **Conductor (per core)** – Class 2 stranded aluminium conductor
- 2 **Core insulation** – XLPE insulation with semi-conductive screens · Wall XLPE insulation with semi-conductive screens mm
- 3 **Shield** – Foil shield (B)

Size selection — all available cross-sections

Cable reference	Voltage class	Bundle layout	Phase conductor	Neutral / messenger	Insulation	Screen / support	Max DC resistance at 20 °C	Bundle OD guide	Weight guide
IEC 60502-2 screened MV ABC 19/33 kV 19/33 kV 3 phase + support conductor 50 mm² 25 mm² galvanised steel support conductor	19/33 kV	3 phase + support conductor	50 mm ² stranded aluminium phase conductor	25 mm ² galvanised steel support conductor	XLPE insulation with semi-conductive screens	Copper wire or copper tape metallic screen	0.641 Ω/km	66 mm	3.07 kg/m
IEC 60502-2 screened MV ABC 19/33 kV 19/33 kV 3 phase + support conductor 70 mm² 25 mm² galvanised steel support conductor	19/33 kV	3 phase + support conductor	70 mm ² stranded aluminium phase conductor	25 mm ² galvanised steel support conductor	XLPE insulation with semi-conductive screens	Copper wire or copper tape metallic screen	0.443 Ω/km	69 mm	3.33 kg/m
IEC 60502-2 screened MV ABC 19/33 kV 19/33 kV 3 phase + support conductor 95 mm² 50 mm² galvanised steel support conductor	19/33 kV	3 phase + support conductor	95 mm ² stranded aluminium phase conductor	50 mm ² galvanised steel support conductor	XLPE insulation with semi-conductive screens	Copper wire or copper tape metallic screen	0.320 Ω/km	72 mm	3.75 kg/m
IEC 60502-2 screened MV ABC 19/33 kV 19/33 kV 3 phase + support conductor 120 mm² 50 mm² galvanised steel support conductor	19/33 kV	3 phase + support conductor	120 mm ² stranded aluminium phase conductor	50 mm ² galvanised steel support conductor	XLPE insulation with semi-conductive screens	Copper wire or copper tape metallic screen	0.253 Ω/km	75 mm	4.09 kg/m

Cable reference	Voltage class	Bundle layout	Phase conductor	Neutral / messenger	Insulation	Screen / support	Max DC resistance at 20 °C	Bundle OD guide	Weight guide
kV 3 phase + support conductor 120 mm² 50 mm² galvanised steel support conductor		conductor	aluminium phase conductor	steel support conductor	with semi-conductive screens	copper tape metallic screen			
IEC 60502-2 screened MV ABC 19/33 kV 19/33 kV 3 phase + support conductor 150 mm² 50 mm² galvanised steel support conductor	19/33 kV	3 phase + support conductor	150 mm ² stranded aluminium phase conductor	50 mm ² galvanised steel support conductor	XLPE insulation with semi-conductive screens	Copper wire or copper tape metallic screen	0.206 Ω/km	77 mm	4.50 kg/m
IEC 60502-2 screened MV ABC 19/33 kV 19/33 kV 3 phase + support conductor 185 mm² 50 mm² galvanised steel support conductor	19/33 kV	3 phase + support conductor	185 mm ² stranded aluminium phase conductor	50 mm ² galvanised steel support conductor	XLPE insulation with semi-conductive screens	Copper wire or copper tape metallic screen	0.164 Ω/km	80 mm	4.97 kg/m
IEC 60502-2 screened MV ABC 19/33 kV 19/33 kV 3 phase + support conductor 240 mm² 50 mm² galvanised steel support conductor	19/33 kV	3 phase + support conductor	240 mm ² stranded aluminium phase conductor	50 mm ² galvanised steel support conductor	XLPE insulation with semi-conductive screens	Copper wire or copper tape metallic screen	0.125 Ω/km	84 mm	5.71 kg/m