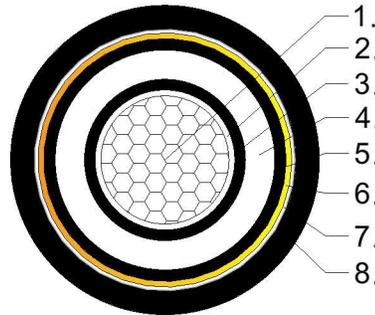


MV-105 35kV 133% Single-Conductors

Stranded compressed **copper** conductor, triple extruded conductor screen, insulation and insulation screen, copper tape screen, **CPE-TP** overall jacket

Doc No.:HTJX-XL-002-2026
 Rev: 1
 Page 1 of 2



Application

Used for medium voltage installations or distribution networks both indoors and outdoors.
 Ex. for the supply of transformer stations, infrastructure, wind turbines, solar parks, factory plants, data centers along with others.

Construction

serial number	structure	material
1.	Conductor	Stranded compressed copper conductor
2.	Tape	Semi-conductive nylon tape
3.	Conductor screen	Semi-conductive compounds
4.	Insulation	EPR
5.	Insulation screen	Semi-conductive compounds (easy stipple)
6.	Metal screen	Plain annealed copper tape screen
7.	Tape	non-woven fabrics
8.	Out-sheath	CPE-TP

Core Identification

Insulation : Neutral
sheath : Black

Installation recommendations

Min. bending radius during installation : 20×D;
Min. bending radius : 15×D
Max. conductor operating temperature : 105°C
Emergency Overload Temperature : 140°C
Max. short-circuit temperature : 250°C/5s

(D is diameter, single core cable)

Standards applied:

UL 1072、ICEA S 93-639

Range and Dimensions

Size AWG/KCMIL	Insulation level	Nominal conductor diameter (mm)	Norminal insulation thickness (mm)	Nominal insulation diameter (mm)	Thickness of copper tape (mm)	Nominal jacket thickness (mm)	Appro. cable diameter (mm)*	Appro. cable weight (kg/km)*	AC test
750	35kV 133%	24.2	10.67	47.3	0.127	2.79	55.6	6666	84kV/5min

*The values can have small deviations

2026.1.30