



PVC

3G
2.5

new

EnergyCore 300/500V - high flex**16x 2.5 mm² + 1x 4.0 mm² (PE) - PVC**

- for mobile indoor and outdoor use acc. to DIN 15765
- highly flexible and robust PVC outer jacket - UV resistant
- conductor acc. to IEC 60228, class 6
- fine stranded bare copper wires acc. to EN 13602
- very short length of core twisting
- low temperature flexible down to -30°C
- flame retardant acc. to IEC 60332-1-2

The EC1-1625G4 Energy Multicore has been specially designed for mobile event, production and media applications indoors and outdoors in accordance with DIN 15765. It is equipped with 16x 2.5 mm² power cores and a 4.0 mm² PE protective earth according to IEC 60228 (class 6) with a short stranding length. The cores themselves are made of fine-wired bare copper according to EN 13602 with a copper purity of over 99.95%. The specially modified and UV-resistant PVC outer sheath ensures thermal stability and, at the same time, a high degree of flexibility for the cable – even at extreme temperatures as low as -30°C.

design

cond. construction
cond. cross section
core insulation

stranded bare copper, fine-wired acc. to EN 13602
16 x 2.5 mm² + 1 x 4.0 mm²
PVC, low-temperature-flexible down to -30 °C, Shore hardness A85, Y12 according to VDE 0207, part 4
(z)-stranding with short length of twist
PVC, low-temperature-flexible down to -30 °C, Shore hardness A72, YM2 according to VDE 0207, part 5, UV-resistant

twisting
outer jacket

mechanics

min. bending radius

installed
mobile use

5x overall diameter
10x overall diameter

temperature range

installed
mobile use

-30°C / +70°C
-30°C / +70°C

flame retardancy

acc. to IEC 60332-1-2

electric

rated voltage
test voltage
conductor resistance

300 / 500 V
2000 VAC
< 7.98 Ω/km

order code	no. of cores x cross section	outer Ø mm	cable color	weight kg/m
EC1-1625G4	16x 2.5 mm² + 1x 4.0 mm²	22.2	black	0,78

technical specifications are subject to change