



ARCOCAVI

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Technical Data

SPECIAL DATA CABLES **PE - PVC**
PAIR-TWISTED - DOUBLE EMC SHIELDING
EDV-PIMF-CY

Application

Data cables for computer application.
Absolute disturbance-free data transfer both for fixed (solid conductors) and flexing (stranded conductors) installations in all areas of medicine and data technology.
Also suitable for use in machine tool and industries, traffic signal systems, assembly lines.
Cables present low mutual capacitance.

Type of cable

Conductors sections:
mm² 0,6 - 0,8 solid wire tinned
mm² 0,5 - 0,75 - 1 - 1,5 stranded bare copper

Number of conductors:
from 2 x 2 to 50 x 2 solid wire tinned
from 4 x 2 to 50 x 2 stranded bare copper

Constructional characteristics

Conductor stranding:
solid wire tinned 0,6 mm and 0,8 mm diam. or 0,5 - 0,75 - 1 - 1,5 mm² sect. stranded bare copper conductors
Primary insulation: polyethylene PE
Pairs identification: colours according DIN 47100
Pair wrapping: with special tape
Shield on pairs: plastic coated PIMF Al/polyester foil coverage 100% and tinned copper draining wire
Stranding: pairs stranded in layer, plus taping on total
EMC shield: tinned copper braid on total - covering \geq 85%
Jacket: special PVC compound - colour grey RAL 7001

Technical characteristics and ratings

Service voltage:
solid conductors 500 V
stranded conductors 300 V

Test voltage:
core / core 2000 V
core / shield 1000 V

Insulation resistance:
solid conductors min. 200 Mohm x km (at 20°C)
stranded conductors min. 100 Mohm x km (at 20°C)

Capacitance core / core: < 75 nF/km

Service temperature: movable from -5°C to +80°C
static from -20°C to +80°C

Min. bending radius: 12 x ext. cable diameter