



Flexible data cable, number coded



APPLICATION

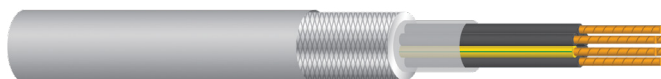
- Used as junction or connecting cables in control, measuring and signalling technology as well as in data processing and office technology.
- Suitable for fixed installation or flexible applications with unrestricted mobility without forced movement control and without exposure to tensile load. Installation in dry and moist rooms; outdoor installation not permitted.
- The tight copper screening provides optimum protection against external electrical interference.
- Good chemical resistance, largely oil resistant.

BENEFITS

- Overall braid minimises electrical interface
- Multifunctional application possibilities

CONSTRUCTION

- Fine strands of bare copper wire
- Stranding acc. to VDE 0295 class 5
- Cores twisted into layers
- Green-yellow protective conductor
- Foil wrapping
- PVC core insulation
- PVC outer sheath grey, RAL 7001



TECHNICAL DATA

Conductor Material

Copper, bare

Conductor Class

Class 5 acc. to DIN VDE 0295 or IEC 60228

Core Insulation

PVC

Core Identification

Acc. to DIN VDE 0293 black cores with white numerals

Stranding

Cores twisted into layers

Outer Sheath

PVC

Sheath Colour

Grey (RAL 7001)

Rated Voltage [V]

350 / 500

Testing Voltage [V]

core/core 4000 V; core/shield 2000

Conductor Resistance

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Insulation Resistance

$\geq 20 \text{ M}\Omega \times \text{km}$

Current Carrying Capacity

DIN VDE 0295 (see technical guidelines)

Min. Bending Radius Fixed [xd]

$6 \times d$

Min. Bending Radius Moved [xd]

$20 \times d$

Working Temp Fixed Min/Max [C]

-40°C up to +80

Working Temp Moved Min/Mac [C]

-15°C up to +80

Temp at Conductor Max.

+70°C in operation +150°C in case of short-circuit

Burning Behaviour

IEC 60332-1: flame-retardant and self-extinguishing

Approvals

EN 50525-2-51



IPT-KABEL

Part No.	No. of cores x cross section	Outer Ø ca. mm	Copper weight kg/100m	Weight kg/100m
192020100	2 x 1	6.30	5.10	7.20
192020075	2 x 0.75	5.90	4.30	5.60
192020050	2 x 0.50	5.40	3.60	4.50
192020150	2 x 1.50	7.00	6.50	9.00
192030250	2 x 2.50	8.10	9.20	14.00
192030050	3 x 0.50	5.70	4.30	5.90
192030075	3 x 0.75	6.20	5.20	7.10
192030100	3 x 1	6.50	7.00	9.00
192030150	3 x 1.50	7.60	9.00	11.60
192030250	3 x 2.50	8.90	14.80	16.70
192040050	4 x 0.50	6.30	4.90	7.70
192040075	4 x 0.75	6.80	6.10	9.50
192040100	4 x 1	7.10	8.00	10.80
192040150	4 x 1.50	8.30	11.00	15.10
192040250	4 x 2.50	9.90	17.40	21.60
192040400	4 x 4	12.20	24.80	30.50
192040600	4 x 6	14.20	34.30	44.00
192041000	4 x 10	17.20	53.50	68.00
192041600	4 x 16	20.20	80.60	105.00
192042500	4 x 25	25.10	107.70	149.20
192043500	4 x 35	30.40	157.40	207.00
192050050	5 x 0.50	6.70	5.70	9.00
192050075	5 x 0.75	7.50	7.20	10.90
192050100	5 x 1	7.90	9.50	12.70
192050150	5 x 1.50	9.00	12.50	17.60
192050250	5 x 2.50	10.70	19.80	27.00
192050400	5 x 4	13.50	32.80	38.50
192050600	5 x 6	15.90	44.10	50.90
19205100	5 x 10.00	19.50	59.20	82.40
192051600	5 x 16.00	22.60	89.50	128.50
192052500	5 x 25.00	28.00	140.00	197.60
192060050	6 x 0.50	7.20	6.60	8.90
192060075	6 x 0.75	8.00	7.80	11.90
192060100	6 x 1	8.20	10.50	14.40
192070050	7 x 0.50	7.50	6.90	11.20
192070075	7 x 0.75	8.60	9.80	13.00

Part No.	No. of cores x cross section	Outer Ø ca. mm	Copper weight kg/100m	Weight kg/100m
192070100	7 x 1	8.50	12.00	17.10
192070150	7 x 1.50	9.70	15.60	21.90
192070250	7 x 2.50	12.00	25.40	34.40
192070400	7 x 4	14.40	35.50	45.90
192070600	7 x 6	17.30	50.50	67.20
192071000	7 x 10	21.50	81.20	113.40
192071600	7 x 16	24.80	145.80	172.00
192080050	8 x 0.50	8.30	8.00	11.70
192080075	8 x 0.75	9.20	10.60	14.50
192080100	8 x 1	10.30	13.00	19.70
192080150	8 x 1.50	11.40	19.20	24.40
192100050	10 x 0.50	9.00	8.10	13.50
192100075	10 x 0.75	10.30	14.00	18.00
192100100	10 x 1	10.90	13.80	23.20
192100150	10 x 1.50	12.40	22.30	31.50
192120050	12 x 0.50	9.60	11.70	20.00
192120075	12 x 0.75	11.40	18.40	26.30
192120100	12 x 1	11.40	18.60	28.50
192120150	12 x 1.50	13.00	26.70	36.50
192120250	12 x 2.50	15.80	40.20	55.00
192140050	14 x 0.50	10.40	12.20	19.00
192140075	14 x 0.75	11.60	14.40	22.50
192140100	14 x 1	12.00	19.80	30.20
192140150	14 x 1.50	14.40	29.20	38.30
192160050	16 x 0.50	11.20	12.30	21.00
192160075	16 x 0.75	12.00	17.20	27.50
192160100	16 x 1	13.00	20.30	34.60
192160150	16 x 1.50	14.90	31.50	42.40
192180050	18 x 0.50	11.50	15.60	27.50
192180075	18 x 0.75	12.70	21.10	31.50
192180100	18 x 1	13.90	26.60	39.50
192180150	18 x 1.50	15.60	37.10	52.00
192180250	18 x 2.50	19.00	57.00	78.20
192200050	20 x 0.50	11.80	17.30	24.00
192200075	20 x 0.75	13.40	22.00	32.00
192200100	20 x 1	14.70	28.60	44.00



IPT-KABEL

Part No.	No. of cores x cross section	Outer Ø ca. mm	Copper weight kg/100m	Weight kg/100m
192200150	20 x 1.50	15.90	40.20	54.50
192210050	21 x 0.50	12.30	18.90	25.00
192240050	24 x 0.50	13.00	23.60	30.00
192240075	24 x 0.75	15.50	25.00	38.50
192240100	24 x 1	15.90	32.00	49.30
192240150	24 x 1.50	17.10	47.80	69.00
192250050	25 x 0.50	13.60	25.00	35.00
192250075	25 x 0.75	15.10	28.00	43.50
192250100	25 x 1	16.20	34.20	53.40
192250150	25 x 1.50	17.90	52.70	73.40
192250250	25 x 2.50	22.20	81.60	135.80
192300050	30 x 0.50	14.00	29.70	36.00
192300075	30 x 0.75	16.10	29.70	45.00
192300100	30 x 1	18.60	39.50	61.60
192300150	30 x 1.50	19.70	59.50	83.00
192320050	32 x 0.50	15.20	30.10	42.50
192320075	32 x 0.75	16.60	33.00	48.40
192340100	34 x 1	20.60	44.00	74.10
192340150	34 x 1.50	20.80	68.50	95.30
192360050	36 x 0.50	15.70	32.00	44.60
192360075	36 x 0.75	17.20	37.00	53.50
192400050	40 x 0.50	16.50	34.30	47.50
192400075	40 x 0.75	18.80	39.50	61.00
192400100	40 x 1	22.00	51.00	83.50
192420100	42 x 1	23.20	53.30	90.30
192420150	42 x 1.50	25.50	78.20	114.00
192500050	50 x 0.50	18.40	40.70	57.30
192500075	50 x 0.75	20.80	48.00	77.70
192500100	50 x 1	24.20	62.60	102.50
192500150	50 x 1.50	26.70	97.70	129.00
192610050	61 x 0.50	19.80	41.50	65.30
192610075	61 x 0.75	23.70	55.50	90.00
192610100	61 x 1	27.30	71.00	120.50
192610150	61 x 1.50	29.10	112.00	170.50