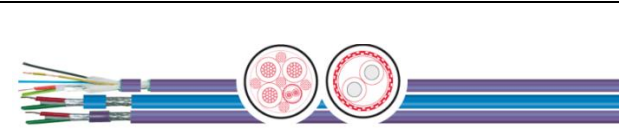


# Becatech

Interconnective Power



## Profibus DP

### Cable Structure :

Conductor: bare copper.

Insulation: BUS, foamed PE/PP. Supply cores, polyolefin.

Shield: alu-lam. polyester foil, metal side outside, coverage 100% under tinned copper braid.

Outer sheath: PVC resp. PUR.

Core identification:

- BUS: green, red.
- Supply cores (1.0mm<sup>2</sup>): black, blue, green/yellow.
- Supply cores (1.5mm<sup>2</sup>): black with numbers.

### Technical Specification :

Rated temperature fixed operation: -40°C to 80°C.

Rated temperature flexible operation: PVC; -10°C to 70°C/ PUR; -30°C to 70°C.

Rated bending radius fixed: 5 x  $\phi$ .

Rated bending radius flexible: < 3mTL; 7.5 x  $\phi$ / > = 3mTL; 15 x  $\phi$ / FESTOON; 10 x  $\phi$ .

Fire behaviour:

- Flame retardant according to IEC 60332-1-2.
- Fire retardant according to IEC 60332-3-24.
- Halogen free according to IEC 60754-1.

### Application :

Can be used for high flexible applications (e.g. power chains, gantry robots, pick & place units, conveyors, machine tools, automated production systems, etc).

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Dimension (n x mm <sup>2</sup> )	Overall Diameter mm	Cu Index (kg/km)	Weight (kg/1000)	Sheath color	Variant
1x2x0.64	7.8	30.0	65.0	VT	V1
1x2x0.64	7.8	30.0	78.0	VT/PL (petrol)	V1
1x2x0.64	8.0	30.0	70.0	VT	V1
1x2x0.64 + 3g1	9.9	60.0	108.0	VT	V2.1
1x2x0.64 + 2x1.5	11.0	60.0	128.0	VT	V2.1
1x2x0.64 + 2x1.5	11.0	60.0	131.0	VT	V2.1
1x2x0.64 + 4x1.5	11.0	90.0	162.0	VT	V2.2
1x2x0.64 + 4x1.5	11.0	90.0	170.0	VT	V2.2
1x2x0.8	8.2	31.0	75	VT	V3
1x2x0.64	8.0	30.0	71.0	PL	V4
1x2x0.64	8.0	30.0	75.0	PL	V4

V1: PROFIBUS DP – trailing.

V2.1: PROFIBUS DP – HYBRID.

V2.2: PROFIBUS DP – ECOFAST.

V3: PROFIBUS DP – TORSION.

V4: PROFIBUS DP – Festoon.

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