

INDUSTRIAL ETHERNET CABLE



PROFINET 662 flexible application, type B
PROFINET 663 flexible application, type B, UL approval,
PROFINET 663 PLTC flexible application, type B, UL & PLTC approval



PROFINET 663



PROFINET 663 PLTC

Construction:

Conductor: **PROFINET 662):** flexible tinned copper conductor, fine wires acc. to VDE 0812
(PROFINET 663): flexible red copper conductor, fine wires acc. to VDE 0812
(PROFINET 663 PLTC): flexible tinned copper conductor, fine wires acc. to VDE 0812

Insulation: PE type L/MD acc. to DIN VDE 0819 part 103

Colour cores: blue, yellow, white, orange

Stranding: **(PROFINET 662 and 663 PLTC):** cores twisted in pairs, pairs twisted together
(PROFINET 663): in layers (star-quad construction)

Wrapping: PETP foil

Inner sheath: PVC compound

Screen: aluminium tape and tinned copper braid

Outer sheath: green (similar RAL 6018), PVC compound

Resistance:

Self-extinguishing and flame retardant acc.to:

(PROFINET 662)

IEC 60332-1-2

EN 60332-1-2

(PROFINET 663)

EC 60332-1-2

EN 60332-1-2,

UL 1581 section 1061 CSA FT1

(PROFINET 663 PLTC)

IEC 60332-3A,

UL 1685 CSA FT4

Oil resistance acc.to:

(PROFINET 662 and 663 PLTC)

DIN VDE 0473 part.811-2-1

IEC 60811-2-1

(PROFINET 663)

DIN VDE 0473 part.811-2-1

IEC 60811-2-1

and ICEA S-82-552,

UV resistance acc.to

(PROFINET 663, PROFINET 663 PLTC):

UL1581 §1200 Std.

Technical data:

Nominal voltage: **(PROFINET 662 and 663):** 300 V
(PROFINET 663 PLTC): 600 V

Test voltage: **(PROFINET 662 and 663):** 1,5 kV
(PROFINET 663 PLTC): 2 kV

Temperature range **(PROFINET 662):** **(PROFINET 663):** **(PROFINET 663 PLTC):**
UL: up to +80°C **UL:** up to +80°C

Fixed laying: -30 up to +70°C -30 up to +80°C -40 up to +80°C

Flexible installation: -5 up to +70°C -5 up to +80°C -5 up to +80°C

Min. bending radius: **(PROFINET 662):** **(PROFINET 663):** **(PROFINET 663 PLTC):**

Fixed laying: 5 x d 5 x d 5 x d

Flexible installation: 10 x d 10 x d 10 x d

Characteristic impedance: 100Ω ± 5Ω, acc. to EN 50288-2-2 CAT 5 acc. to EN 50173-1)

Ohmic resistance at 20°C max.Ω/km: 58, acc. to VDE 0812

Features:

AWM style 10578-2571 80°C 300V **(PROFINET 663)**

AWM style 21694 80°C 600V **(PROFINET 663 PLTC)**

RoHS and CE approval



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
39250CEX022M03 (PROFINET 662)	2 x 2 x 0,34	6	33,9	58	22
39261CEX014A22 (PROFINET 663)	1 x 4 x 0,34	6,5	33	74	22
39260FEX022A22 (PROFINET 663 PLTC)	2 x 2 x 0,34	6,6	36,2	67	22