

PART NO. 604000UNR

TK 59PT Railway Cable, 0.40 mm

CAMCOM™

Detailed Specifications & Technical Data

CROSS SECTION



1 Conductor
2 Insulation
3 Stranding
4 Filling Compound
5 Wrapping
6 Filling Compound
7 Screen
8 Inner Jacket

CABLE CONSTRUCTION

Conductor	: Electrolytic annealed solid copper (CCITT Yellow Book Vol. III-2-G.541 B article, IEC 28 and ASTM B 3).
Insulation	: Color coded foam skin polyethylene cladded with solid polyethylene (BS 6234 Type 03 – ASTM D 1248).
Stranding	: Star quads are assembled into 10 pairs units. Group having 25, 50 or 100 pairs are stranded together.
Filling Compound	: Cable core is filled with a special jelly filling compound to avoid the water leakage into air spaces.
Wrapping	: A non-hygroscopic and dielectric polyester tape is applied on the cable core longitudinally or helically.
Filling Compound	: Secondary jelly filling is applied between wrapping and screen in order to provide waterproofness.
Screen	: Both sides are coated with copolymer coated flat aluminum tape over cable core longitudinally for screening.
Inner Jacket	: Linear low-density or medium-density, UV resistant black polyethylene inner jacket (ASTM D 1248).
Bedding	: Special tape is applied between inner jacket and armor.
Armor	: Two helically laid galvanized steel tape is applied to increase the mechanical resistance of the cable.
Outer Jacket	: Linear low-density or medium-density, UV resistant black polyethylene outer jacket (ASTM D 1248).

TECHNICAL DATA

Conductor Diameter	: 0.40 mm
Conductor Resistance Ω/km (20 °C) – Maximum Average	: 139,4
Conductor Resistance Ω/km (20 °C) – Maximum Individual	: 146,6
Insulation Resistance MΩ/km (500 VDC)	: >10000
Mutual Capacitance nF/km (800 Hz) – Maximum Average	: 50
Mutual Capacitance nF/km (800 Hz) – Maximum Individual	: 56
Capacitance Unbalance pF/500 m – Between Pairs – Maximum Average	: 125
Capacitance Unbalance pF/500 m – Between Pairs – Maximum Individual	: 350
Between Adjacent Quads – Maximum Average	: 125
Between Adjacent Quads – Maximum Individual	: 275
To Screen – Maximum Average	: 500
To Screen – Maximum Individual	: 2000
Dielectric Strength – V (DC, 1 minute) – Pair – Pair	: 1400
Dielectric Strength – V (DC, 1 minute) – Pair – Screen	: 1400
V (DC, 3 second) – Pair – Screen	: 9000

Camcom is proud to be certified by

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Designed in Netherlands & Produced Globally.

Prepared By : Steve Smith

Disclaimer :- Datasheet is subject to modification without prior notication

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CABLE TYPE DATA

CAMCOM Part No.	Conductor Size / Type
604000UNR	0.40 mm

PRODUCT VIEW



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