



CABLE STRUCTURE

Conductor	Bare or tinned stranded class 2 copper in accordance with IEC 60228
Separator	Optional separator tape
Insulation	thylene propylene rubber (EPR) or Cross-linked polyethylene (XLPE) compound in accordance with IEC 60092-360
Inner Covering	Separator tape or halogen free bedding compound in accordance with IEC 60092-360, Clause 3.5
Screen	Bare or tinned copper wire braid in accordance with IEC 60092-350 and S.P 01/21. Also, the braid may be manufactured in accordance with IEC 60092-353 without a minimum diameter requirement for the braiding wires
Separator	Optional separator tape
Outer Sheath	Halogen-free, flame-retardant thermoset compound of Type SHF2, in accordance with IEC 60092-360

STANDARDS & MAIN CHARACTERISTICS

Design Guidelines	S.P 01/21
Electrical Tests	S.P 01/21
Mechanical Tests	S.P 01/21
Conductor Resistance	IEC 60228
Insulation Material	IEC 60092-360
Sheath Material	IEC 60092-360
Halogen Free	IEC 60754-1 & IEC 60754-2
Low Smoke	IEC 61034-1&IEC 61034-2
Flourine Content	IEC 60684-2
Flame Retardancy	IEC 60332-1-2
Flame Propagation	IEC 60332-3-22 Cat.A
Ozone Resistance	IEC 60811-403
Oil Resistant	IEC 60811-404

OPERATING CHARACTERISTICS

Maximum Operating Voltage	250V AC / 355V DC
AC Test Voltage	2 kV AC
Working Temperature	-40°C to +90°C
Min. Bending Radius	6 x D
Current Carrying Capacity	IEC 60092-352

VISUAL AND MARKING

Sheath Colour	Black (other colours on request)
Core Colours	In accordance with S.P 01/21
Marking	ÜNTEL 250V TIP 3 TASYEYO / UTNGSG KxMxN mm ² IEC 60332-1&3 A [YEAR] MADE IN TURKEY [LOT NO] [MPS NO] [XXXX MT]

APPLICATION

Used for fixed installation in telecommunication, signal, radio, radar and data transmission systems on naval vessels. Suitable for both below and above deck applications, resistant to oil and marine environmental conditions.

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CAN*	Conductor Type	Cross-section (mm²)	Outer Sheath Diameter		Approx. Cable Weight (kg/km)	Min. Bending Radius (mm)	Current Carrying Capacity(*) (A)	Max. Electrical Resistance at 20°C (ohm/km)
			Min. (mm)	Max. (mm)				
1631.1	Class 2	1x2x0,75	6,0	7,5	55	45	12	26,6
1631.2	Class 2	2x2x0,75	6,7	8,4	74	50	10	26,6
1631.3	Class 2	4x2x0,75	9,6	11,7	166	70	7	26,6
1631.4	Class 2	6x2x0,75	10,8	13,1	217	79	7	26,6
1631.5	Class 2	8x2x0,75	11,9	14,2	271	85	7	26,6
1631.6	Class 2	10x2x0,75	13,7	16,1	327	97	7	26,6
1631.7	Class 2	14x2x0,75	14,9	17,5	394	105	6	26,6
1631.8	Class 2	16x2x0,75	16,1	19,0	463	114	6	26,6

* Conductor temperature at 90 °C, Ambient air temperature at 45 °C

* CAN : Cable Article Number