

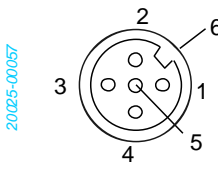
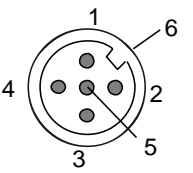
Cable-Specification

MK554.x

Art. No.: 403 0554 XXX

1. Cable-Typ: **MTP**
2. Connector: **A = M12 / 5 pole (male)**
B = M12 / 5 pole (female)

3. PIN assignment:

View plug side	A	MTP	Function	B	View plug side
	1	Twisted-Pair white	Video-Signal	1	
	2	Yellow	Mirror	2	
	3	Red	+12 VDC	3	
	4	Blue	GND	4	
	5	Twisted-Pair shield	Video-GND	5	
	Housing	Shield	Shield	Housing	

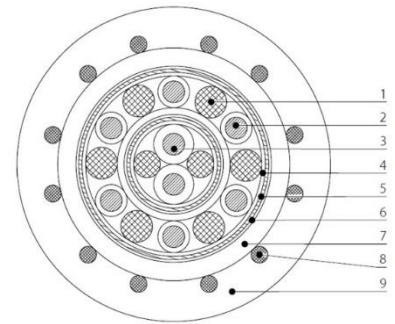
4. Drawing:



MTP

Hybrid round cable

ERK 10248 Rev. 7



Cable design:

Pos. 1	6 Wires	0.25 mm ²
	Conductor	(19 x 0.13 mm) copper uninsulation
	Insulation	TPE
	Colors	green, yellow, grey, pink, blue, red
Pos. 2	Filler	
Pos. 3	1 pair of wires	0.25 mm ²
	Conductor	(19 x 0.13 mm) copper uninsulation
	Insulation	TPE
	Color	white / brown
	Fibrous mat	highly flexible
		Opt. coverage ca. 100 %
	Shield	Stranded
	Conductor	(0.10 mm) copper tinned
		Opt. coverage min. 90 %
	Wrapping	
	Jacketing	TPE
	Color	black
Pos. 4	Fibrous mat	highly flexible
		Opt. coverage ca. 100 %
Pos. 5	Shield	Stranded
	Conductor	(0,10mm) copper tinned
		Opt. coverage min. 90 %
Pos. 6	Wrapping	
Pos. 7	Support	Kevlar, for tension relief
	Braiding	Min. 1200 N
Pos. 8	Outer jacket	Polyurethane; flame-resistant, halogen-free
	Color	black
Pos. 9	Outer jacket	Polyurethane; flame resistant, halogen-free
	Color	black

Technical Data:

UL-Style 20236 80°C 30V

Cable marking:

Operating voltage: 450 V
Test voltage core/core: 2500 V/DC
Test voltage core/shield: 1500 V/DC
Test voltage shield/shield: 1500 V/DC
Operating temperature: -40°C till +80°C
Cable weight: nom. 114 g/m

Hybrid round cable ERK 10248 Rev. 7
6x0.25 mm², 1x2x0.25 mm²
Diameter: 9.4 ±0.2 mm

Pos. 3:
Surge impedance: 72 Ohm +/- 10 % at 5.5 MHz
Capacitance: nom. 120pF/m at 5.5 MHz
Attenuation: nom. 1.65 dB/10 m at 5.5 MHz

Marking:  Motec MTP UL 20236 80°C 30V

Bending raduis:

Single bend on layout: 2 x cable diameters
Bending radius minimum with a continuous movement: 5 x cable diameters
Optimal bending raduis with continuous movement: 10 x cable diameters

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