

## Connection Cable AR10 / 11 / 15 / 17 / 43

**AR10 / AR11 / AR43 / AR15 / AR17:**

**Pre-assembled connection cable**






**Regulus RD to pyrometer**

**- 12 pin angle plug on pyrometer side,**

**- Applicable connector on Regulus side**



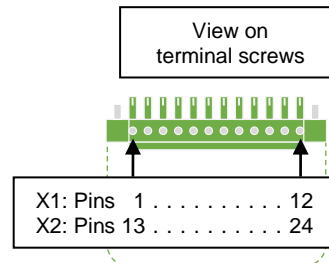
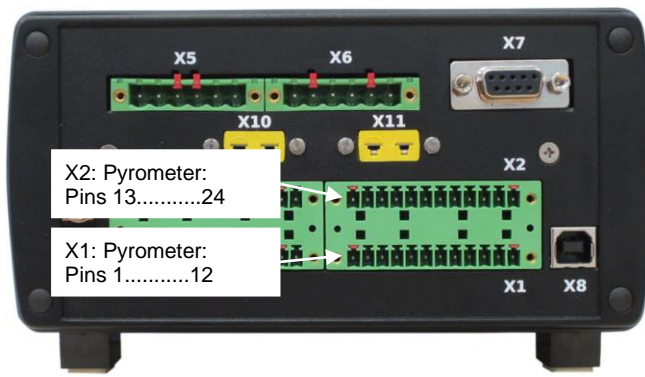
### Equipment Variations / Order Number:

Connector pyrometer side	AR
 with right-angle connector / push button	AR10-05 (5 m)
 with right-angle connector	AR11-05 (5 m)
 with straight connector	AR43-05 (5 m)
 with right-angle connector / push button and SC10 cable/ right-angle connector (0.5 m)	AR15-05 (5 m)
 with right-angle connector and SC10 cable / right-angle connector (0.5 m)	AR17-05 (5 m)
	AR..-xx (xx in 5-m increments)

### Technical Data

Cable: Twisted pairs, screened data transmission cable with color code acc. to DIN 47100, RoHS conform  
 Designation: LiYwCYw (TP)  
 Conductor: 7 x 2 x 0,14 mm<sup>2</sup> + shield  
 Capacity: 120 nF / km  
 Conductor resistance: 142 Ω / km  
 Outer sheath: PVC black, heat resistant  
 Temperature range: -20°C up to +90°C, short-term +105°C  
 Outer diameter: 7.1 mm +/-0.2 mm  
 Minimum bending radius: flexible use: 110 mm; fixed installation: 55 mm  
 Burning rate: flame-retardant to VDE 0482 - part 265-2-1 / IEC 6033-1-2

### Pin assignments green connector for connection to Regulus socket X1 or X2



Pins X1	Pins X2	Function	Cable colors
1	13	+24 V power supply for pyrometer	White
2	14	0 V power supply for pyrometer (ground)	Brown
3	15	+ Analog input 4–20 mA (+ Analog output 1 from pyrometer)	Green
4	16	- Analog input 4–20 mA (- Analog output 1 from pyrometer)	Yellow
7	19	Shield (connected only at the pyrometer, not at the Regulus, to prevent ground loops and damage by compensating currents)	Orange
8	20	Ground for pyrometer interface RS232 / RS485	Red
9	21	TxD (RS232) or B(+) (RS485) to pyrometer (RxD (RS232) or B (RS485) from pyrometer)	Black
10	22	RxD (RS232) or A(-) (RS485) to pyrometer (TxD (RS232) or A (-) (RS485) from pyrometer)	Violet
11	23	TxD (RS232) or B(+) (RS485) to pyrometer (RxD (RS232) or B(+) (RS485) from pyrometer)	Grey-pink
12	24	RxD (RS232) or A(-) (RS485) to pyrometer (TxD (RS232) or A(-) (RS485) from pyrometer)	Red-blue