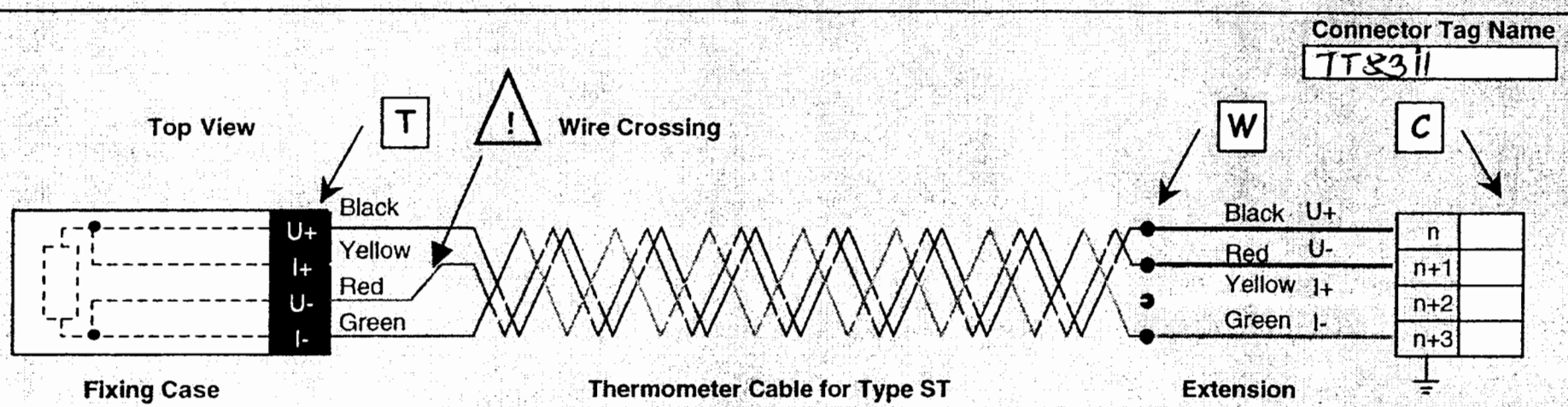
	CERN Label			Comments
Magnet #	**LQXA07**			
KEK Magnet #	MQXA08			
Corrector Serial #	HCMCBX_001-SI0000028			
Thermometers			Expedition Resistance-CERN	
Q1 NLE - Non-Inst Bus Side	CX_LS_X17250	**TT8311**	61.535	
Q1 NLE - Inst Bus Side	CX_LS_X17248	**TT8321**	63.407	
Collection Tank Thermometers			Expedition Resistance-CERN	
Top Set Top Thermometer	CX_LS_X14564	**N/A**		
Top Set Bottom Thermometer	CX_LS_X14566	**N/A**		
Bottom Set Top Thermometer	CX_LS_X14568	**N/A**		
Bottom Set Bottom Thermometer	CX_LS_X14541	**N/A**		

Cryogenic Thermometer Traveller

DESCRIPTION

Part description:	Cryogenic thermometer	**Top Assembly Identification:**	LMQXA 07
Part Identification:	HCQITESCXT-CR013650		
Serial Number:	CX_LS_X17250	**Manufactured By:**	Fermilab

CABLING



Fixing Case

Thread ☐
Hole ☐
Stud ☐

Thermometer Cable for Type ST

ρ (300 K) = 0.32 Ohm/m
Copper AWG 30
Length = ☐ m

Extension

ρ (300 K) = 0.07 Ohm/m
Copper AWG 24
Length: 0.8 m

CHECKS

Intervention	Date/ DD-MMM-YYYY	Check Point	R(U+,U-,I+,I-) [Ohm] 4W	R(U-,I-) [Ohm] 2W	R(U+,I+) [Ohm] 2W	R(U+,GND) [Ohm] 2W	Temperature [K]	Firm/Laboratory	Checked by
Calibration	*04-Feb-2002*	T	*63.1*	*n.a*	*n.a*	*OVL*	*Ambient*	*IPN*	*Joly*
Expedition	*12-Mar-2003*	T	*61.535*	*0.1*	*0.1*	*OVL*	*293*	*CERN*	*Grivat*
Reception	3-3-2005	T W C	63,749				70°K	FERMI	FRIANEZZ
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TT8321

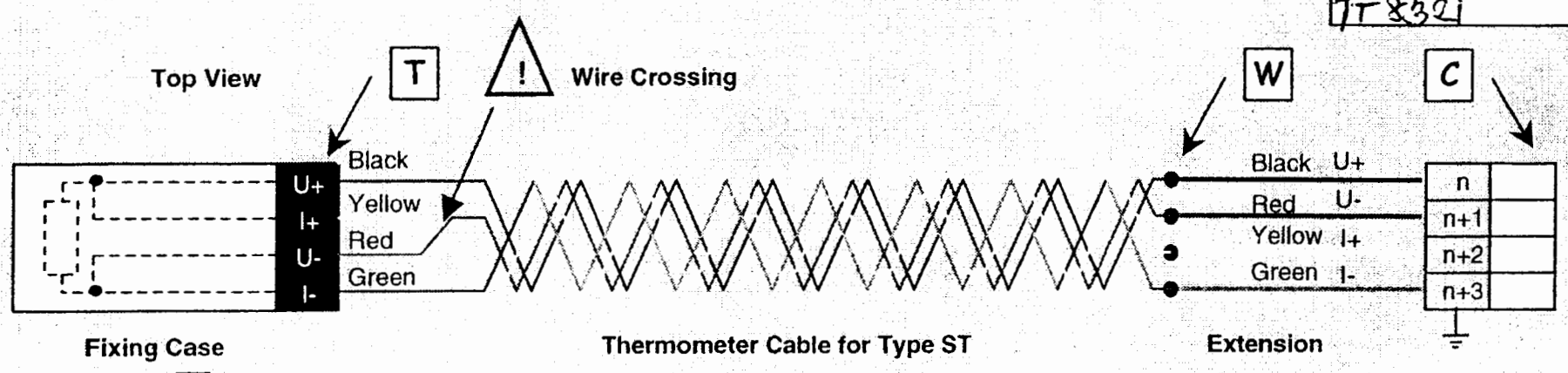
Cryogenic Thermometer Traveller

DESCRIPTION

Part description:	Cryogenic thermometer	**Top Assembly Identification:**	LmQXA 07
Part Identification:	HCQITESCXT-CR013640		
Serial Number:	CX_LS_X17248	**Manufactured By:**	Fermilab

CABLING

Connector Tag Name TT8321



Fixing Case

Thread ☐
Hole ☐
Stud ☐

Thermometer Cable for Type ST

ρ (300 K) = 0.32 Ohm/m
Copper AWG 30
Length = ☐ m

Extension

ρ (300 K) = 0.07 Ohm/m
Copper AWG 24
Length: 0.8 m

CHECKS

Intervention	Date/ DD-MMM-YYYY	Check Point	R(U+,U-,I+,I-) [Ohm] 4W	R(U-,I-) [Ohm] 2W	R(U+,I+) [Ohm] 2W	R(U+,GND) [Ohm] 2W	Temperature [K]	Firm/Laboratory	Checked by
Calibration	*04-Feb-2002*	T	*65.16*	*n.a*	*n.a*	*OVL*	*Ambient*	*IPN*	*Joly*
Expedition	*12-Mar-2003*	T	*63.407*	*0.1*	*0.1*	*OVL*	*293*	*CERN*	*Grivat*
Reception	3-3-05	T W C	65.641				70 F	FERMI	FIANEZA
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Cryogenic Thermometer Traveller

DESCRIPTION*

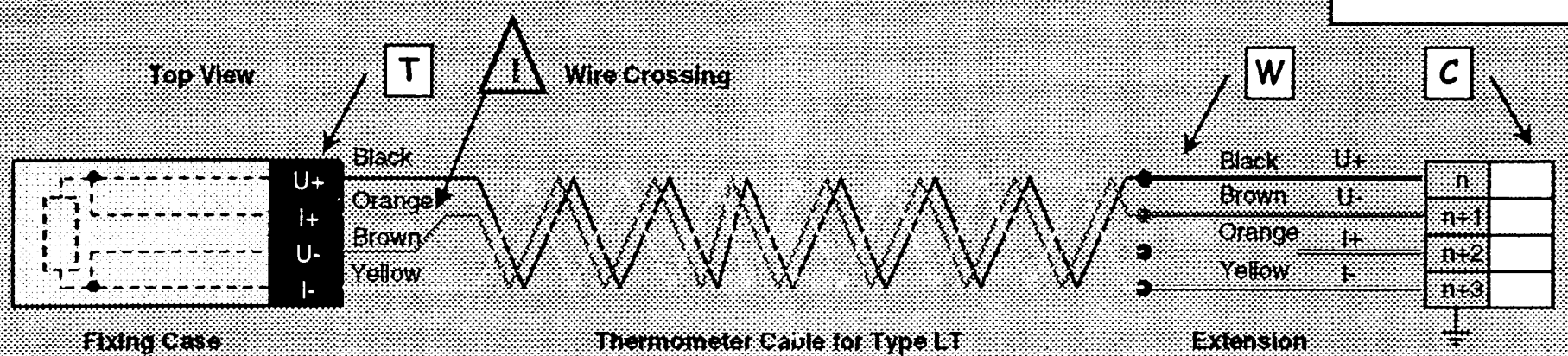
Part Description:	Cryogenic thermometer	**Instrument Name:**	
CERN Part Identifier:	HCQITELCXT-CR002690	**Top Assembly:**	
Other Identification:	CX_LS_X14564	**Functional Equipment Identifier:**	

* In accordance with LHC-QIT-QA-0002

Top - Top LQXA07

CABLING

Connector Tag Name



Fixing Case

Thread ☐ Stud ☐

Hole ☐ Pipe ☐

Thermometer Cable for Type LT

ρ (300 K) = 38 Ohm/m

Manganin AWG 36

Length = ☐ m

Extension

ρ (300 K) = 0.07 Ohm/m

Copper AWG 24

Length: 5 cm

CHECKS

Intervention	Date/ DD-MMM-YYYY	Check Point	R(U-,U+,I+,I-) [Ohm] 4W	R(U-,I-) [Ohm] 2W	R(U+,I+) [Ohm] 2W	R(U+,GND) [Ohm] 2W	Temperature [K]	Firm/Laboratory	Checked by
Calibration	*29-Jun-2001*	T [redacted]	*56.70*	*13.59*	*13.58*	*OVL*	*300*	*IPN*	*Joly*
Expedition	*15-Sep-2003*	T [redacted]	*58.00*	*13.59*	*13.58*	*OVL*	*293.00*	*CERN*	*Vauthier*
Reception		T W C							
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Cryogenic Thermometer Traveller

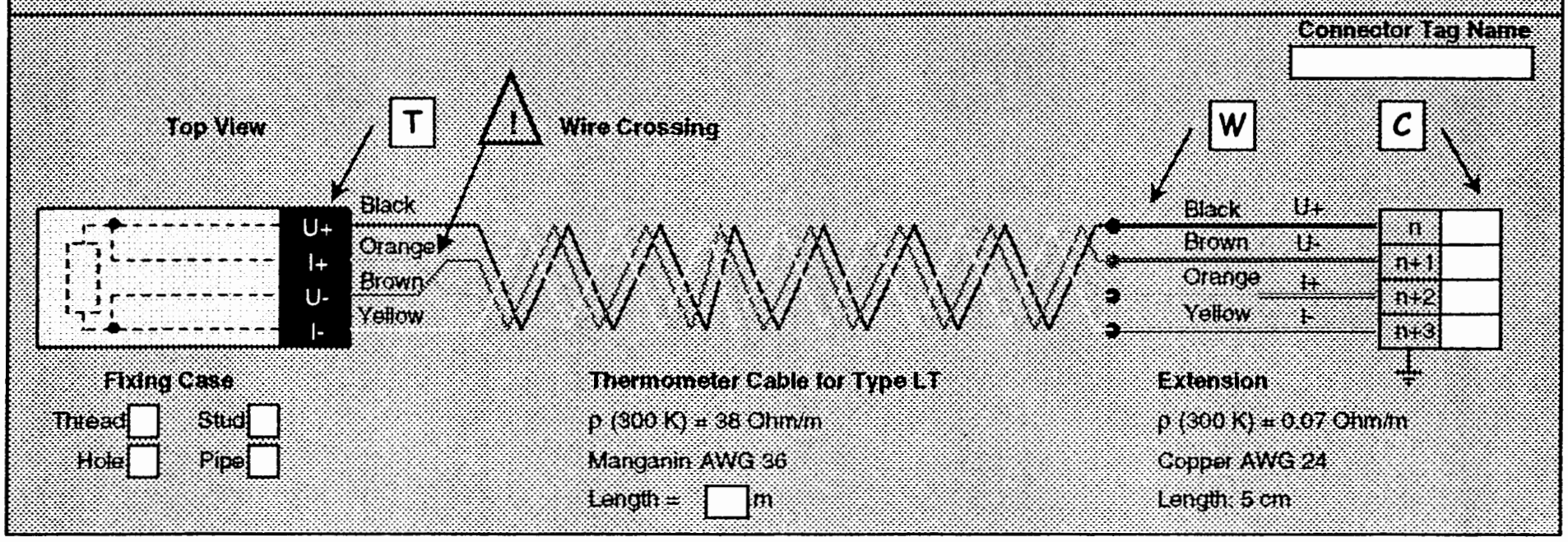
DESCRIPTION*

Part Description:	Cryogenic thermometer	**Instrument Name:**	
CERN Part Identifier:	HCQITELCXT-CR002700	**Top Assembly:**	
Other Identification:	CX_LS_X14566	**Functional Equipment Identifier:**	

* In accordance with LHC-QIT-QA-0002

Top - Bottom LQXA07

CABLING



CHECKS

Intervention	Date/ DD-MMM-YYYY	Check Point	R(U+,U-,I+,I-) [Ohm] 4W	R(U-,I-) [Ohm] 2W	R(U+,I+) [Ohm] 2W	R(U+,GND) [Ohm] 2W	Temperature [K]	Firm/Laboratory	Checked by
Calibration	*29-Jun-2001*	T	*59.20*	*16.56*	*16.47*	*OVL*	*300*	*IPN*	*Joly*
Expedition	*15-Sep-2003*	T	*60.57*	*16.56*	*16.47*	*OVL*	*293.00*	*CERN*	*Vauthier*
Reception		T W C							
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Cryogenic Thermometer Traveller

DESCRIPTION*

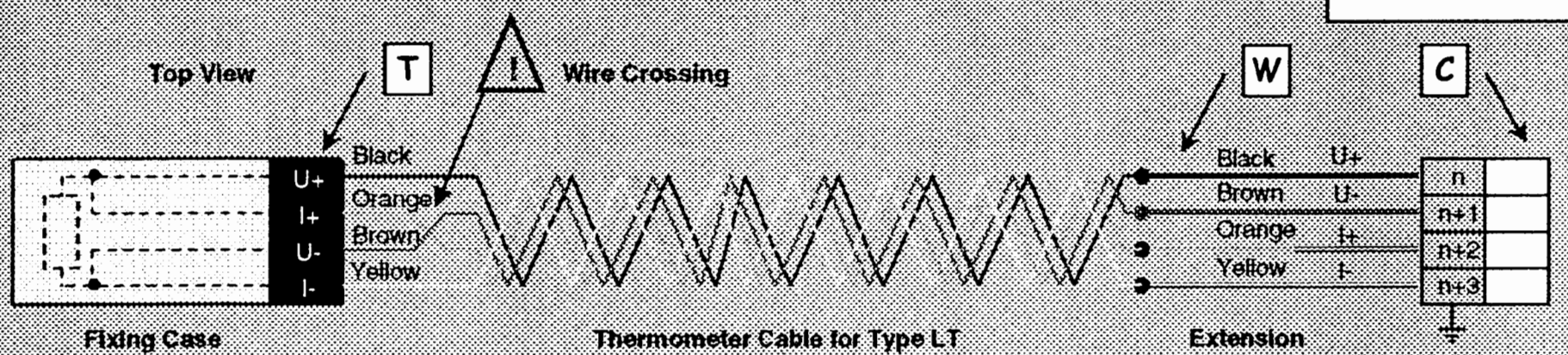
Part Description:	Cryogenic thermometer	**Instrument Name:**	
CERN Part Identifier:	HCQITELCXT-CR002720	**Top Assembly:**	
Other Identification:	CX_LS_X14568	**Functional Equipment Identifier:**	

* In accordance with LHC-QIT-QA-0002

Bottom - Top LQXA07

CABLING

Connector Tag Name



Fixing Case

Thread ☐ Stud ☐

Hole ☐ Pipe ☐

Thermometer Cable for Type LT

ρ (300 K) = 38 Ohm/m

Manganin AWG 36

Length = ☐ m

Extension

ρ (300 K) = 0.07 Ohm/m

Copper AWG 24

Length: 5 cm

CHECKS

Intervention	Date DD-MMM-YYYY	Check Point	R(U+,U-,I+,I-) [Ohm] 4W	R(U-,I-) [Ohm] 2W	R(U+,I+) [Ohm] 2W	R(U+,GND) [Ohm] 2W	Temperature [K]	Firm/Laboratory	Checked by
Calibration	*29-Jun-2001*	T	*58.00*	*16.01*	*15.92*	*OVL*	*300*	*IPN*	*Joly*
Expedition	*15-Sep-2003*	T	*59.37*	*16.01*	*15.92*	*OVL*	*293.00*	*CERN*	*Vauthier*
Reception		T W C							
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Cryogenic Thermometer Traveller

DESCRIPTION*

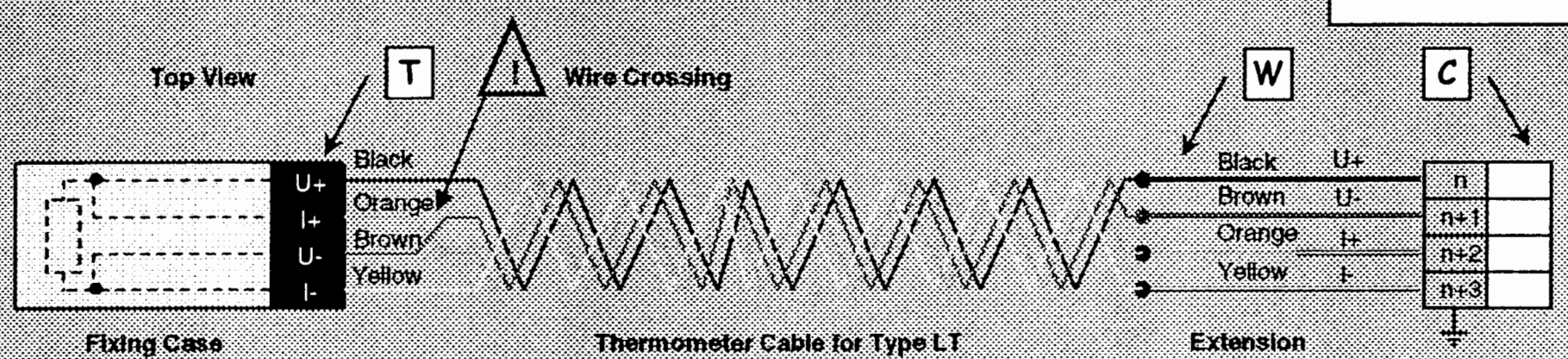
Part Description:	Cryogenic thermometer	**Instrument Name:**	
CERN Part Identifier:	HCQITELCXT-CR002540	**Top Assembly:**	
Other Identification:	CX_LS_X14541	**Functional Equipment Identifier:**	

* In accordance with LHC-QIT-QA-0002

Bottom - Bottom LQXA07

CABLING

Connector Tag Name



Fixing Case

Thread ☐ Stud ☐

Hole ☐ Pipe ☐

Thermometer Cable for Type LT

ρ (300 K) = 38 Ohm/m

Manganin AWG 36

Length = ☐ m

Extension

ρ (300 K) = 0.07 Ohm/m

Copper AWG 24

Length: 5 cm

CHECKS

Intervention	Date/ DD-MMM-YYYY	Check Point	R(U+,U-,I+,I-) [Ohm] 4W	R(U-,I-) [Ohm] 2W	R(U+,I+) [Ohm] 2W	R(U+,GND) [Ohm] 2W	Temperature [K]	Firm/Laboratory	Checked by
Calibration	*29-Jun-2001*	T	*58.00*	*14.32*	*14.30*	*OVL*	*300*	*IPN*	*Joly*
Expedition	*15-Sep-2003*	T	*59.28*	*14.32*	*14.30*	*OVL*	*293.00*	*CERN*	*Vauthier*
Reception		T W C							
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