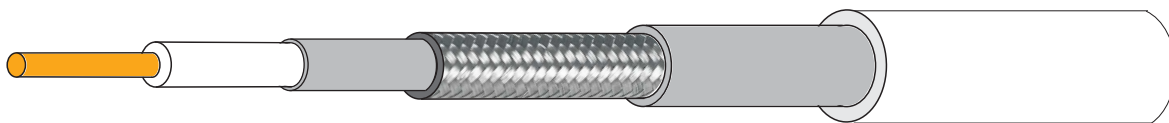


| | |
|--|--|
| Description 75 Ohm internal coaxial cable Digital transmission cable (A / A+ shielding class) | Product name NS113TRI HQ_{300m} |
|--|--|



| | | | | | | |
|---|--------------|---------------|------------------|--------------|------------------|---------------|
| Ø | 1,13 (Cu) | 4,80 (PEG) | 4,90 (Al/PET) | 5,50 (Al) | 5,60 (Al/PET) | 6,80 (PVC) |
|---|--------------|---------------|------------------|--------------|------------------|---------------|

STANDARDS

1. EN 50575:2014, EN 13501-6:2014 CPR Directive (CE)
2. PN-EN 50117-2-4: 2005+A1:2008. Coaxial cables - Part 2-4: Specific requirements for cables used in networks distributors - Connection cables for indoor installation working in the frequency range from 5MHz to 3000MHz.
3. PN-EN 50117-1:2003+A1: 2007. Coaxial cable - Part 1: General requirements.

TECHNICAL DATA

| | | |
|---|----------|----------------|
| Inner conductor | (Cu) | 1,13 ± 0,02 mm |
| Dielectric of physical foam polyethylene | (PEG) | 4,80 ± 0,02 mm |
| Screen Aluminium/PET foil | (Al/PET) | 0,04mm |
| Braid of Aluminium wires | (Al) | 144x0,12mm |
| Braid optical coverage | | 95% |
| Screen Aluminium/PET foil | (Al/PET) | 0,04mm |
| Outer jacket PVC white | (PVC) | 6,8mm |
| Operating temperature | | -20°C ÷ +70°C |
| Installing temperature | | 0°C ÷ +70°C |
| Minimum bending radius [x cable diameter] | | > 8 |

| | | |
|--|--|-------------------------------|
| Novisat sp. z o.o. ul. Zaporoska 37B 53-519 Wrocław Polska | phone: +4871 799 09 34 www.novisat.pl mail: novisat@novisat.pl | Date 2016-01-07 |
|--|--|-------------------------------|

Description

75 Ohm internal coaxial cable
 Digital transmission cable (A / A+ shielding class)

Product name

NS113TRI HQ_{300m}

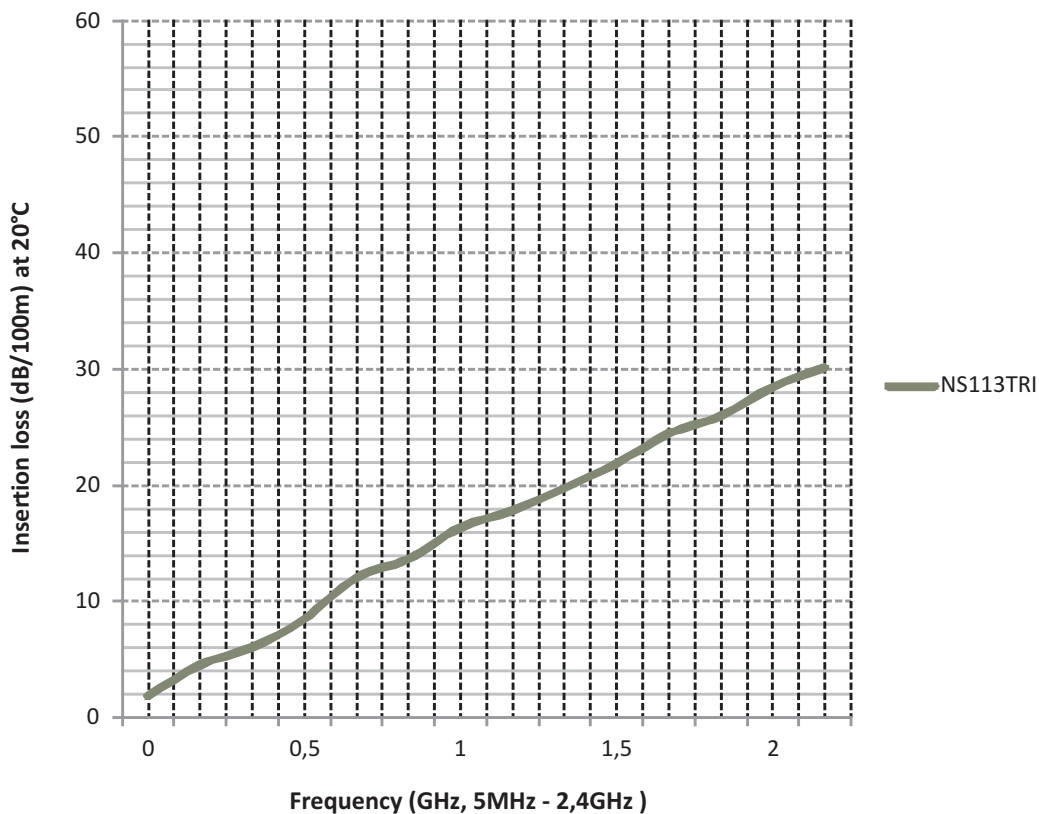
ELECTRICAL DATA

Characteristic impedance (by frequency 200MHz)
 Capacitance
 Effective dielectric permittivity
 Echo attenuation
 Cable attenuation (by frequency 200MHz)

$75 \pm 3 \text{ Ohm}$
 $50,3 \pm 2 \text{ pF/m}$
 $\epsilon < 2,2$
 $\geq 40\text{dB}$
 $\leq 20\text{dB}/100\text{m}$

Screening efficiency 30-1000 [Mhz]
 Screening attenuation 1500-2200 [Mhz]

≥ 85
 ≥ 75

NS113TRI

Picture 1: Cable attenuation at 5-2400MHz

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Date

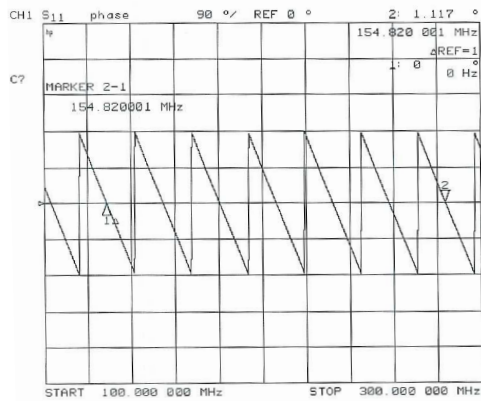
2016-01-07

Description

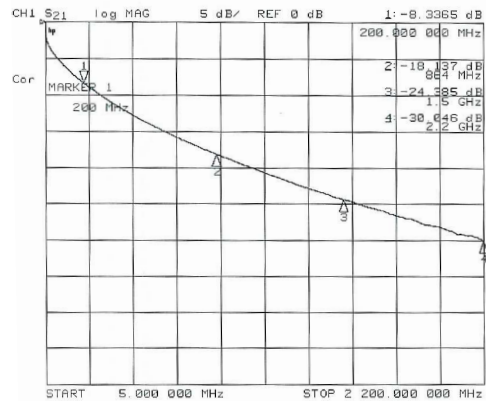
75 Ohm internal coaxial cable
 Digital transmission cable (A / A+ shielding class)

Product name

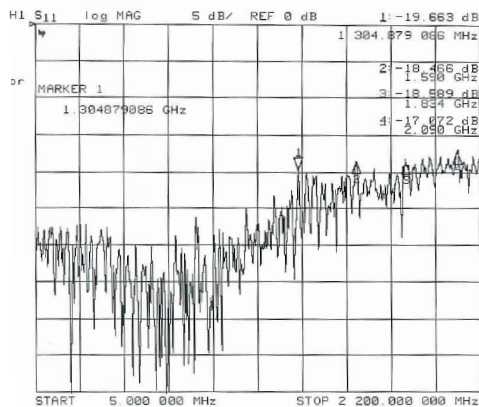
NS113TRI HQ_{300m}



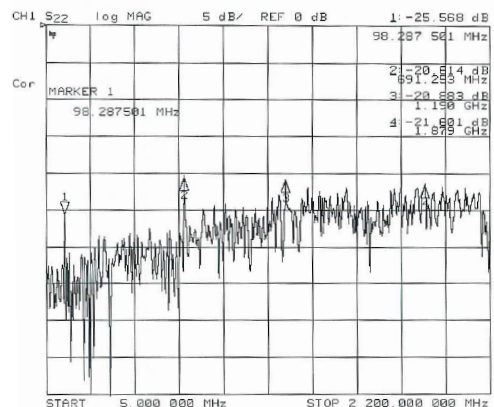
Picture 2: Course changes of phase in frequency function



Picture 3: Attenuation of NS113 TRI cable



Picture 3: Return loss of the NS113TRI cable - port 1



Picture 3: Return loss of the NS113TRI cable - port 2

APPARATUS USED FOR TESTS

1. Absorbent clamps, MDS 21, Rohde & Schwartz, IL 10-5-2
2. Network analyzer, HP 8753 C, Hewlett-Packard, IL 47-2-325
3. Matrix parameter meter, HP 85046 B, Hewlett-Packard, IL 10-7-3
4. Calibration kit, HP 85036 B, Hewlett-Packard, IL 60-019
5. Coaxial cable tester, 1503 C, Tektronix, IL 74-0-33
6. Spectrum analyzer, MS 2601 K, Anritsu, IL 47-2-278
7. Signal generator, Hewlett-Packard IL 800-301656
8. Automatic meter C, E 315 A, MERATRONIC, IL 08-3-4;
9. Absorbent clamps, MDS 22, Rohde & Schwartz, IL 1801-1054

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