

Technical
Data Sheet
02/02/2015
Rev. 2

I. DESCRIPTION:

RG-213/U TYPE COAX

II. ELECTRICAL CHARACTERISTICS:

NOM. IMPEDANCE: 50 OHMS

NOM. INDUCTANCE: .077 MICRO-H/FT

NOM. CAPACITANCE

CONDUCTOR TO SHIELD: 30.8 PF/FT

NOM. VELOCITY OF PROPAGATION: 66%

NOM. DELAY: 1.54 NS/FT

ATTENUATION:

NOMINAL

MHZ	DB/100 FT
1	.27
10	.55
50	1.3
100	1.9
200	2.7
400	4.1
700	6.5
900	7.6
1000	8.0
4000	21.5

NOM. SHIELD DC RESISTANCE

@ 20 DEG C: 1.2 OHMS/1000 FT.

NOM. CONDUCTOR DC RESISTANCE

@ 20 DEG. C: 1.7 OHMS/1000 FT.

MAX. OPERATING VOLTAGE: 3700 V RMS

III. PHYSICAL CHARACTERISTICS:

NOM. WEIGHT/1000 FT.: 100 LBS. MIN. BENDING RADIUS: 5.0"

TEMPERATURE RATING: -30 TO +80 DEG C

MAX. PULLING TENSION: 184 LBS.

CONDUCTOR MATERIAL & DIA.: 13 AWG (7 X .0296")

STRANDED BARE COPPER,

.089" NOM.

DIELECTRIC MATERIAL & DIA.: SOLID POLYETHYLENE,

.285" NOM.

SHIELD TYPE AND % COVERAGE: BARE COPPER BRAID; 96% JACKET MATERIAL AND DIA.: PVC (BLACK), .405 NOM.

© 2013 Belden, Inc. All rights reserved. All information contained herein is confidential. Its use is restricted to authorized Belden personnel or authorized vendors or customers of Belden. Under no circumstances shall this document be duplicated in any form or shown to/discussed with unauthorized personnel without the expressed written consent of Belden. Although Belden makes every reasonable effort to ensure accuracy at the time of this publication, information and specifications described herein are subject to error or ormission and to change without notice, and the listing out on the purpose. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory, or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence, or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale.

PENG:dob