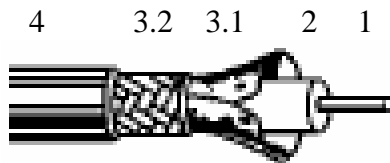


Application

Precision video cables are used in critical analog and digital video circuits and high quality applications such as live broadcast in network studios and pre- or post-production facilities

Construction & Dimensions



- 1. Conductor**
- 2. Dielectric**
- 3.1 Foil**
- 3.2 Braid**
- 4. Jacket**

1. **Inner Conductor** Innenleiter - Conduttore Interno – Conducteur – Conductor - Проводник
Material solid, bare copper
Diameter 0.64 mm
2. **Dielectric** Dielektrikum – Dielettrico – Diélectrique – Dieléctrico - Диэлектрик
Material Gas injected Foam HDPE
Diameter over insulation 2.80 mm
3. **Outer Conductor** Aussenleiter - Conduttore Esterno - Conducteur extérieur - Conductor externo - Внешний проводник
Material foil + braid
Diameter screen 3.4 mm
 - 3.1 Shielding foil Duofoil®
Coverage: 100%
 - 3.2 Shielding braid tinned copper braid
Coverage 90% ± 5%
4. **Jacket** Aussenmantel – Guaina – Gaine – Revestimiento - Оболочка
Material FRNC/LSNH, UV-resistant
Diameter: 4.45 ± 0.2 mm
Color and text: see table Marking

Requirements and test methods

Electrical characteristics

Mean characteristic impedance: 75 ± 3 Ω

Wellenwiderstand - Impedenza Caratteristica Principale - Impédance nominale - Características eléctricas - Электрические характеристики

Nominal capacitance conductor to shield: 53.0 pF/m

Kapazitaet - Capacità Nominale Conduttore/Schermo - Capacité nominale entre conducteur et blindage - Capacitancia nominal de conductor a blindaje - Номинальная емкость "проводник-экран"

Nominal velocity of propagation: 84%

Ausbreitungsgeschwindigkeit - Velocità Nominale di Propagazione - Vitesse de propagation nominale - Velocidad nominal de propagación - Номинальная скорость распространения сигнала

Max. DC loop resistance: 69.0 Ω /km
Schleifenwiderstand – Resistenza continua di Loop – Resistenza (DC) di Loop - Resistencia de bucle CC - Сопротивление петли пост. Тока

Max. inner conductor DC resistance @ 20 °C: 52.0 Ω /km
Gleichstromwiderstand Innenleiter - Resistenza Nominale DC del Conduttore Interno - Résistance du conducteur intérieur - Resistencia CC nominal del conductor interno - Номин. сопротивление пост. тока внутреннего проводника при

Max. outer conductor DC resistance @ 20 °C: 17.0 Ω /km
Gleichstromwiderstand Aussenleiter - Resistenza Nominale DC del Conduttore Esterno - Résistance du conducteur extérieur - Resistencia CC nominal del conductor externo - Номин. сопротивление пост. тока внутреннего проводника при

Return loss at

5- 300 MHz:	≥ 24 dB*
300- 850 MHz:	≥ 26 dB*
850-2000 MHz:	≥ 19 dB*
1500 MHz:	≥ 24 dB*

Rueckflussdaempfung - Perdite Cumulative di Riflessione - Taux de réflexion du signal - Pérdida de retorno - Обратные потери на

Screening attenuation at 30-1000 MHz: ≥ 100 dB
Schirmungsmass – Attenuazione dello Schermo- L'affaiblissement lié au blindage - Eficacia de blindaje - Эффективность экранирования

Nominal Attenuation: Wellendaempfung - Attenuazione Nominale – Affaiblissement - Atenuación nominal - Номинальное затухание

MHz	dB/100m	MHz	dB/100m
71.5	8.6	540	22.8
135	11.5	750	26.9
270	16.1	1500	38.7
360	18.6	3000	56.1



Mechanical and physical characteristics

Temperature range - storage/operation -15°C to +75°C
Temperature range - installation -5 °C to + 75°C
Minimum bending radius 10x \varnothing cable
Biegeradius - Raggio Minimo di Curvatura - Rayon de courbure minimum - Radio de curvatura mínimo - Минимальный радиус изгиба
Nominal cable weight 27.9 kg/km
Gewicht - Peso Nominale del Cavo – Poids - Peso nominal del cable - Номинальный вес кабеля

Ordering information

MARKING

Jacket colour	Text
Green	VIDEO BRILLIANCE (R) BY BELDEN 1855ENH - 0.6/2.8 DUOFOIL(R) + BRAID - FRNC SDV - LFH

Meter marking: yes, MM-YY: month and year of manufacturing

PACKAGING (PUT-UP)

100m and 500m

Each reel is labelled with the following data:

Belden Logo, Belden code number, item description, length on the reel and date of manufacturing.

* max. 3 peak values 4 dB lower than specified