RNG-350 VHF LEAKY FEEDER CABLE

- Intrinsically Safe MSHA Approved
- Wireless Voice, Data, Video and Ethernet
- Up to 30m Off Cable Coverage
- smartcom® 150 and smartcom® 150IS

smartcom®

FEATURES

Becker Mining Systems smartcom® 150 and smartcom® 150IS Leaky Feeder Cable acts as an antenna to bring wireless voice, data, video and Ethernet into mines and tunnels.

When installed in a system using smartcom® 150 and smartcom® 150IS amplifiers, RNG-350 cable will provide up to 30m of off-cable coverage and 500m amplifier spacing.

Becker Mining Systems RNG-350 Leaky Feeder cable also provides a flame resistant PVC outer shielding.

Since RNG-350 Leaky Feeder Cable is MSHA approved it can be installed in smartcom® 150 and smartcom® 150IS systems interchangeably.

TECHNICAL DATA

PERFORMANCE SPECIFICATIONS	
Impedance	75 ± 3 Ω
Capacitance	51 ± 2 pF/m
Inner Conductor DC Resistance	≤ 0.0045 Ω/m
Outer Conductor DC Resistance	≤ 0.0042 Ω/m
Inductance	300 nH/m
L/R Ratio	45.09 uH/Ω
Attenuation	≤ 15 dB/350 m @ 175 MHz, 20 ºC
Maximum Voltage	48 Vrms (Between center conductor and outer conductors)
Maximum Current	Center Conductor: 8 A rms, Single Outer Conductor: 0.5 A rms

MECHANICAL DATA	
Outer Cable Diameter	15.5 ± 0.5 mm (0.610 ± 0.02 in)
Minimum Bend Radius	1 m (3.3 ft)
Cable Weight	0.23 kg/m (0.155 lbs/ft)
Cable Length/Roll	500 m (1640 ft) ± 2%
Weight per roll (four rolls/pallet)	136 kg (300 lbs)
Reel Outside Diameter	73.7 cm (29 in)
Reel Height	50.8 cm (20 in)

APPROVALS	
MSHA	#23-A050001-0
CE Certification	Yes

becker VARIS SMART MINING SOLUTIONS

Tel +1 705 674 8111

Fax +1 705 674 7834

Becker Varis
122 Dell Street, Unit A
Sudbury, Ontario, P3C 2Y1
Canada

info@ca.becker-mining.com
www.becker-mining.com

Technical data are limit values.

If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.

Rev.A

becker®
MINING SYSTEMS