

# **Technical Data**

Document Reference 14-02331 UL 13

### **RAMCROII - INSTRUMENTATION Cable**

For standard applications, flame retardant.

## Multi-Core, HT 105°-Insulation, Collective Screen, PVC-Sheath

#### SAS0405HEACX-T-UL13

Application

These cables are designed to connect electronic instrumentation, analog and digital signal circuits. This cable does not spread flame to the top of the tray in the Vertical-Tray Flame Test in UL 1685.

#### Construction

- Vertical Tray Flame TestUL1685Type of Cable:PLTC CaLimiting Oxygen Index (LOI)ASTM D 2863 (min 30%)- NEC code, sec. 725 PLTC,- NEC code, sec. 725 PLTC,Hammability temperature (FT)- NEC code, sec. 727 ITC,- NEC code, sec. 727 ITC,Amount of halogen acid gasIEC 60754-1 (max 15%)- UL 1685Sunlight resistanceUL 1581 section 1200- NF C 32-020Notes- NF C 32-020- NF C 32-0200- IRAM IAP- IEC 79-14Electrical & Mechanical DataConductor Cross-sectionNom.Nom.18AWGTemperature Range:DC Resistance per core at 20° Cmax Ω/km22,2Insulation Resistance at 20° Cmin Ω*km25Mutual Capacitancemax nF/km140Inductancemax mH/km1Min. Bending Radiusmm6 x cable di	Construction						
Section       18AWG         Conductor       tinned copper wire, 7 strand       mm         Insulation       Hi Temperature polyvinyl chloride - PVC HT 105°C       mm         Colour Code       0       o         Individual Screen       NA.       mm         Wrapping       at least 1 layer of plastic tape 0,023 mm       mm         Collective Screen       0,026 mm Aluminium / PETP tape over tinned copper drain wire       mm         Inner Sheath       NA.       mm       Mmour         Outher Sheath       NA.       polyvinyl chloride - PVC - Black       mm         Cable Printing       RAMCRO S.p.A (UL) Listed E345186 Type PLTC - 4C 18AWG Shielded - 105°C + BATCH + METER MARKING       mm         Technical Data & Standard References       Free Propagation:       .       .         - Test on single cable       IEC 60332-3       Construction References Standard:       UL 13         Type of Cable:       PLTC Cable:       PLTC Cable:       PLTC Cable:         Vertical Tray Flame Test       UL 1685       Other References:       .         Limiting Oxygen Index (LOI)       ASTM D 2863 (min 30%)       .       .       NEC code, sec. 725 PLTC, -         Smilght resistance       UL 1581 section 1200       .       .       .       .	F	1.6			I	1114	Nomina
Conductor       tinned copper wire, 7 strand       mm         Insulation       Hi Temperature polyvinyl chloride - PVC HT 105°C       mm         Colour Code       0       mm         Individual Screen       N.A.       at least 1 layer of plastic tape 0,023 mm       mm         Collective Screen       0.026 mm Aluminium / PEIP tape over tinned copper drain wire       mm         Inner Sheath       N.A.       mm       mm         Armour       N.A.       mm       mm         Cable Prinning       RAMCRO Sp.A (UL) listed E345186 Type PLTC - 4C 18AWG Shielded       mm         Cable Prinning       RAMCRO Sp.A (UL) listed E345186 Type PLTC - 4C 18AWG Shielded       mm         Technical Data & Standard References       Fire Propagation:       .       .         ' Test on single cable       IEC 60332-1       IEC 60332-3       Construction References Standard:       UL 13         Type of Cable:       PLTC C 2       Other References:       .       .       .       .         Vertical Tray Flame Test       UL 1685       Other References:       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .						Unit	Value
Insulation       Hi Temperature polyvinyl chloride - PVC HT 105°C       mm         Golour Code       0       ndividual Screen       N.A.         Wrapping       at least 1 layer of plastic tape 0,023 mm       0,026 mm Aluminium / PETP tape over tinned copper drain wire         Inner Sheath       N.A.       -       mm         Armour       N.A.       -       mm         Cable Crive Screen       0,026 mm Aluminium / PETP tape over tinned copper drain wire       mm         Inner Sheath       N.A.       -       mm         Cable Printing       RAMCRO S.p.A (UL) Listed E345186 Type PLTC - 4C 18AWG Shielded       -         Outher Sheath       Polyvinyl chloride - PVC - Black       mm         Test on single cable       IEC 60332-1       -         Test on single cable       IEC 60332-3       Construction References Standard:       UL 13         Yertical Tray Flame Test       UL1685       Other References:       -       PLTC Ca         Nomut of halogen acid gas       IEC 60754-1 (max 15%)       - UL 1685       -       NFC Code, sec. 725 PLTC, -       -         Notes       UL 1581 section 1200       - NFC Code, sec. 725 PLTC, -       -       NFC Code, sec. 725 PLTC, -       -         Outer Stance       UL 1581 section 1200       - NFC Code, sec. 725 PLTC,							
Colour Code       0         Individual Screen       N.A.         Wrapping       at least 1 layer of plastic tape 0,023 mm         Collective Screen       0,026 mm Aluminium / PETP tape over tinned copper drain wire         Inner Sheath       N.A.         Armour       N.A.         Outher Sheath       polyvinyl chloride - PVC - Black       mm         Cable Printing       RAMCRO Sp.A (UL) Listed E345186 Type PLTC - 4C 18AWG Shielded       -105°C + BATCH + METER MARKING         Technical Data & Standard References       File Propagation:       -         Test on single cable       IEC 60332-1       Construction Reference Standard:       UL 13'         Type of Cable:       PLTC cable:       PLTC cable:       PLTC cable:       PLTC cable:         - Vertical Tray Flame Test       UL 1685       Other References:       .       .         Limiting Oxygen Index (LOI)       ASTM D 2863 (min 30%)       - NEC code, sec. 725 PLTC, - NEC code, sec. 727 PLTC, - NEC code, sec. 727 PLTC, - NEC code, sec. 727 PLTC, - S12.020       .       .         Notes       UL 1581 section 1200       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .							1,2
Individual Screen       N.A.         Wrapping       at least 1 layer of plastic tape 0,023 mm         Collective Screen       0,026 mm Aluminium / PETP tape over tinned copper drain wire         Inner Sheath       N.A.         Armour       N.A.         Outher Sheath       N.A.         Gable Printing       RAMCRO S.p.A (UL) Listed E345186 Type PLTC - 4C 18AWG Shielded         -105°C + BATCH + METER MARKING       -105°C + BATCH + METER MARKING         Technical Data & Standard References         Fire Propagation:       -         - Test on single cable       IEC 60332.1         - Test on single cables       IEC 60332.3         - Vertical Tray Flame Test       UL1685         Umanability temperature (FT)       ASTM D 2863 (min 30%)         - Namout of halogen acid gas       IEC 60754-1 (max 15%)         Sunlight resistance       UL 1581 section 1200         Notes       - NFC 32-020         0       - NFC 32-020         0 </td <td></td> <td colspan="4"></td> <td>mm</td> <td>2,0</td>						mm	2,0
Wrapping       at least 1 layer of plastic tape 0,023 mm         Collective Screen       0,026 mm Aluminium / PETP tape over tinned copper drain wire         Inner Sheath       N.A.         Armour       N.A.         Outher Sheath       polyvinyl chloride - PVC - Black         Cable Printing       RAMCRO S.p.A (UU) Listed E345186 Type PLTC - 4C 18AWG Shielded         - 105 °C + BATCH + METER MARKING       -105 °C + BATCH + METER MARKING         Technical Data & Standard References         Fire Propagation:       -         - Test on single cable       IEC 60332-3         Coher References       PLTC Ca         Limiting Oxygen Index (LOI)       ASTM D 2863 (min 30%)         Flammability temperature (FT)       - NEC code, sec. 725 PLTC,         Ammunt of halogen acid gas       IEC 60754-1 (max 15%)         Sunlight resistance       UL 1581 section 1200         Notes       - NFC 32-020         0       - NFC 32-020         0       - IEC 79-14         Electrical & Mechanical Data         Conductor Cross-section         Nom.       18AWG         Temperature Range:      30° C up to         DC Resistance per core at 20° C       max Ω/km         DC Resistance per core at 20° C	Colour Code	0					
Collective Screen       0,026 mm Aluminium / PETP tape over tinned copper drain wire         Inner Sheath       N.A.         Armour       N.A.         Outher Sheath       polyvinyl chloride - PVC - Black       mm         Gable Printing       RAMCRO S.p.A (UL) Listed E345186 Type PLTC - 4C 18AWG Shielded - 105 °C + BATCH + METER MARKING       mm         Technical Data & Standard References       Fire Propagation:       -         - Test on single cable       IEC 60332-3       Construction Reference Standard:       UL 13         - Vertical Tray Flame Test       UL1685       Other References:       PLTC Ca         Limiting Oxygen Index (LOI)       ASTM D 2863 (min 30%)       - NEC code, sec. 725 PLTC, - NEC code, sec. 725 PLTC,	Individual Screen	N.A.					
Inner Sheath       N.A.         Armour       N.A.         Outher Sheath       polyvinyl chloride - PVC - Black       mm         Gable Printing       RAMCRO S.p.A (UL) Listed E345186 Type PLTC - 4C 18AWG Shielded - 105°C + BATCH + METER MARKING       mm         Technical Data & Standard References       Fire Propagation:       -         - Test on single cable       IEC 60332-1       Construction Reference Standard:       UL 13         - Test on bunched cables       IEC 60332-3       Construction References Standard:       UL 12         - Vertical Tray Flame Test       UL1685       Other References:       UL 1685         Limiting Oxygen Index (LOI)       ASTM D 2863 (min 30%)       - NEC code, sec. 725 PLTC, - NEC code, sec. 727 ITC, - NEC code, sec. 727 ITC,         Outer Stance       UL 1581 section 1200       - NEC code, sec. 727 ITC,         Outer Stance       Ment Mane       - IEC 79-14	Wrapping	at least 1 layer of plastic tape 0,023 mm					
ArmourN.A. polyvinyl chloride - PVC - BlackmmGuble PrintingRAMCRO S.p.A (UL) Listed E345186 Type PLTC - 4C 18AWG Shielded - 105°C + BATCH + METER MARKINGmmTechnical Data & Standard References.105°C + BATCH + METER MARKINGmmTechnical Data & Standard References.105°C + BATCH + METER MARKINGUL 13Test on single cableIEC 60332-1.105°C + BATCH + METER MARKINGUL 13- Test on bunched cablesIEC 60332-3Construction Reference Standard:UL 13- Vertical Tray Flame TestUL 1685Other References:.105°C + DEC code, sec. 725 PLTC, - NEC code, sec. 727 ITC, - NEC code, sec. 727 ITC, - NFC 32-020.11685Sunlight resistanceUL 1581 section 1200.NF C 32-020 - NF C 32-020 - IEC 79-14.162 - 30° C up to - 30° C up to - 30° C up to - 5° C up to Mutual CapacitanceConductor Cross-sectionNom.18AWGTemperature Range: - 2,2.30° C up to - 5° C up to Mutual CapacitanceConductor Cross-sectionNom.18AWGTemperature Range: - 2,2.30° C up to - 5° C up toDuring Installation° C -5° C up to - 5° C up to.140.140Inductancemax mH/km1Min. Bending Radiusmm	Collective Screen	0,026 mm Aluminium / PETP tape over tinned copper drain wire					
Outher Sheath       polyvinyl chloride - PVC - Black       mm         Cable Printing       RAMCRO S.p.A (UL) Listed E345186 Type PLTC - 4C 18AWG Shielded       mm         - 105°C + BATCH + METER MARKING       - 105°C + BATCH + METER MARKING       mm         Technical Data & Standard References         Fire Propagation:       -       -         - Test on single cable       IEC 60332-1       Construction Reference Standard:       UL 13         - Vertical Tray Flame Test       UL 1685       Other References:       PLTC Ca         Limiting Oxygen Index (LOI)       ASTM D 2863 (min 30%)       - NEC code, sec. 725 PLTC,       - NEC code, sec. 727 ITC,         Amount of halogen acid gas       IEC 60754-1 (max 15%)       - UL 1685       - UL 1685       - NEC code, sec. 727 ITC,         Sunlight resistance       UL 1581 section 1200       - NFC 32-020       - Str M D 239       - Str M D 239       - Str M D 23-020       - Str M D 2	Inner Sheath	N.A.					
Cable Printing       RAMCRO S.p.A (UL) Listed E345186 Type PLTC - 4C 18AWG Shielded - 105°C + BATCH + METER MARKING         Technical Data & Standard References         Fire Propagation:       - 105°C + BATCH + METER MARKING         - Test on single cable       IEC 60332-3         Construction Reference Standard:       UL 15         - Test on bunched cables       IEC 60332-3         - Vertical Tray Flame Test       UL1685         Limiting Oxygen Index (LOI)       ASTM D 2863 (min 30%)         Flammability temperature (FT)       - NEC code, sec. 725 PLTC,         Amount of halogen acid gas       IEC 60754-1 (max 15%)         Sunlight resistance       UL 1581 section 1200         Notes       - NFC 32-020         0       - NFC 32-020         0       - IRAM IAP         - IEC 79-14       - IEC 79-14	Armour	N.A.					
- 105°C + BATCH + METER MARKING         Technical Data & Standard References         Fire Propagation:       .         - Test on single cable       IEC 60332-1         Test on bunched cables       IEC 60332-3         Construction Reference Standard:       UL 13         Type of Cable:       PLTC Ca         · Vertical Tray Flame Test       UL1685         Limiting Oxygen Index (LOI)       ASTM D 2863 (min 30%)         Flammability temperature (FT)       .         Amount of halogen acid gas       IEC 60754-1 (max 15%)         Sunlight resistance       UL 1581 section 1200         Notes       .         0       .         Electrical & Mechanical Data       Temperature Range:         Conductor Cross-section       Nom.       18AWG         DC Resistance per core at 20° C       max Ω/km       22,2         During Operation       ° C       -30° C up to         Insulation Resistance at 20° C       min Ω*km       25       During Installation       ° C       -5° C up to         Mutual Capacitance       max mH/km       140       Min. Bending Radius       mm       6 x cable di	Outher Sheath	polyvinyl chloride - PVC - Black				mm	7,0
- 105°C + BATCH + METER MARKING         Technical Data & Standard References         Fire Propagation:         - 105°C + BATCH + METER MARKING         Fire Propagation:         - Test on single cable       IEC 60332-1         Test on bunched cables       IEC 60332-3         Construction Reference Standard:       UL 13         Type of Cable:       PLTC Ca         · Vertical Tray Flame Test       UL1685         Limiting Oxygen Index (LOI)       ASTM D 2863 (min 30%)         Flammability temperature (FT)       - NEC code, sec. 725 PLTC,         Amount of halogen acid gas       IEC 60754-1 (max 15%)         Sunlight resistance       UL 1581 section 1200         Notes       - NF C 32-020         0       - IRAM IAP         - IEC 79-14       - IEC 79-14         Electrical & Mechanical Data       Temperature Range:         Conductor Cross-section       Nom.       18AWG         During Operation       ° C       -30° C up to         Insulation Resistance at 20° C       min Ω*km       25         Mutual Capacitance       max mF/km       140         Inductance       max mH/km       1	Cable Printing	RAMCRO S.p.A (UL) Listed E345186 Type PLTC - 4C 18AWG Shielded					
Fire Propagation:       . IEC 60332-1       Construction Reference Standard:       . UL 13         - Test on bunched cables       IEC 60332-3       Construction Reference Standard:       . UL 13:         - Vertical Tray Flame Test       UL1685       Other References:       .         Limiting Oxygen Index (LOI)       ASTM D 2863 (min 30%)       - NEC code, sec. 725 PLTC,       .         Flammability temperature (FT)       .       .       .       .         Amount of halogen acid gas       IEC 60754-1 (max 15%)       .       .       .       .         Notes       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .       .							
- Test on single cable       IEC 60332-1       Construction Reference Standard:       UL 18         - Vertical Tray Flame Test       UL 1685       Other References:       PLTC Ca         - Vertical Tray Flame Test       UL 1685       Other References:       Other References:         Limiting Oxygen Index (LOI)       ASTM D 2863 (min 30%)       - NEC code, sec. 725 PLTC, - NEC code, sec. 727 ITC, - NEC co	Technical Data & Standard Refere	nces					
- Test on single cable       IEC 60332-1       Construction Reference Standard:       UL 18         - Vertical Tray Flame Test       UL 1685       Other References:       PLTC Ca         Limiting Oxygen Index (LOI)       ASTM D 2863 (min 30%)       - NEC code, sec. 725 PLTC, - NEC code, sec. 727 ITC, - NEC code, sec. 728 ITC, -	Fire Propagation:						
- Vertical Tray Flame Test       UL1685       Type of Cable:       PLTC Ca         - Vertical Tray Flame Test       UL1685       Other References:       Other References:       Other References:       Other References:       NEC code, sec. 725 PLTC,       NEC code, sec. 727 ITC,         Amount of halogen acid gas       IEC 60754-1 (max 15%)       - NEC code, sec. 727 ITC,       NEC code, sec. 727 ITC,       NEC code, sec. 727 ITC,         Amount of halogen acid gas       IEC 60754-1 (max 15%)       - UL 1685       - UL 1685       - UL 1685         Sunlight resistance       UL 1581 section 1200       - ASTM D 1239       - NEC code, sec. 727 ITC,       - NEC code, sec. 727 ITC,         Notes       - IRAM IAP       - IEC 79-14       - IEC 79-14         Electrical & Mechanical Data       Temperature Range:		IEC 603	332-1				
- Vertical Tray Flame Test UL1685 UL1581 section 1200 Notes UL 1581 section 1200 Notes UL 1581 section 1200 I Section 200 I Section 20	- Test on bunched cables	IEC 60332-3		Construction Reference Standard:		UL 13	
- Vertical Tray Flame Test UL1685 UL1581 sector 1200 Notes UL1581 sector 1200 UL1581 sector 1200 UL1685 UL1581 sector 1200 UL1685 UL168 UL168 UL168 UL1685 UL1685 UL1685				Type of Cable:		PLTC	Cable
Imiting Oxygen Index (LOI)ASTM D 2863 (min 30%)Other References:Limiting Oxygen Index (LOI)ASTM D 2863 (min 30%)- NEC code, sec. 725 PLTC,Flammability temperature (FT)- NEC code, sec. 727 ITC,Amount of halogen acid gasIEC 60754-1 (max 15%)Sunlight resistanceUL 1581 section 1200Notes- NFC 32-0200- IRAM IAP- IEC 79-14Tonductor Cross-sectionNom.18AWGConductor Cross-sectionNom.18AWGDC Resistance per core at 20° Cmax $\Omega/km$ 22,2During Operation° C-30° C up toInsulation Resistance at 20° Cmin $\Omega^*km$ 25Mutual Capacitancemax nF/km140InductanceMax mH/km1Min. Bending Radiusmm6 x cable di	- Vertical Tray Flame Test	UL1685		<i>/</i> 1			
Flammability temperature (FT)       - NEC code, sec. 727 ITC,         Amount of halogen acid gas       IEC 60754-1 (max 15%)         Sunlight resistance       UL 1581 section 1200         Notes       - NF C 32-020         0       - IRAM IAP         - IEC 79-14         Electrical & Mechanical Data         Conductor Cross-section         Nom.       18AWG         Temperature Range:      30° C up to         DC Resistance per core at 20° C       max Ω/km       22,2         During Operation       ° C       -30° C up to         Insulation Resistance       max nF/km       140         Inductance       max mH/km       1       Min. Bending Radius       mm       6 x cable di				Other References:			
Flammability temperature (FT)       - NEC code, sec. 727 ITC,         Amount of halogen acid gas       IEC 60754-1 (max 15%)         Sunlight resistance       UL 1581 section 1200         Notes       - NF C 32-020         0       - IRAM IAP         - IEC 79-14         Electrical & Mechanical Data         Conductor Cross-section         Nom.       18AWG         Temperature Range:       - 30° C up to         DC Resistance per core at 20° C       max Ω/km       22,2         During Operation       ° C       -30° C up to         Insulation Resistance at 20° C       min Ω*km       25         Mutual Capacitance       max mH/km       140         Inductance       max mH/km       1	Limiting Oxygen Index (LOI)	ASTM D 2863 (min 30%)		- NEC code, sec. 725 PLTC.			
Amount of halogen acid gasIEC 60754.1 (max 15%) UL 1581 section 1200 O- UL 1685 ASTM D 1239 - NF C 32-020 - IRAM IAP - IEC 79-14Suntight resistanceUL 1581 section 1200 - NF C 32-020 - IRAM IAP - IEC 79-14- WI 1685 - NF C 32-020 - IRAM IAP - IEC 79-14Electrical & Mechanical DataTemperature Range: - VII 1000- WI 1000 - 30° C up to - 30° C up to Insulation Resistance at 20° CNom.18AWG - 182DC Resistance per core at 20° Cmin Ω*km25 - 140During Operation - C° C30° C up to - 5° C up toMutual Capacitancemax mF/km140Min. Bending Radiusmm6 x cable di			· /				
Sunlight resistanceUL 1581 section 1200- ASTM D 1239Notes- NF C 32-0200- IRAM IAP- IEC 79-14Electrical & Mechanical DataConductor Cross-sectionNom.18AWGTemperature Range:DC Resistance per core at 20° Cmax Ω/km22,2During Operation° C-30° C up toInsulation Resistance at 20° Cmin Ω*km25During InstallationNutual Capacitancemax nF/km140Min. Bending RadiusInductancemax mH/km1Min. Bending Radiusmaxmm6 x cable di		IEC 60754-1 (max 15%)					
Notes 0- NF C 32-020 - IRAM IAP - IEC 79-14Electrical & Mechanical DataConductor Cross-sectionNom.18AWGTemperature Range: During Operation· C- 30° C up toDC Resistance per core at 20° Cmax Ω/km22,2During Operation° C- 30° C up toInsulation Resistance at 20° Cmin Ω*km25During Installation° C- 5° C up toMutual Capacitancemax nF/km140Image: Min. Bending Radiusmm6 x cable di	<b>e e</b>	· · · · ·		- ASTM D 1239			
IRAM IAP - IEC 79-14IRAM IAP - IEC 79-14Electrical & Mechanical DataConductor Cross-sectionNom.18AWGTemperature Range: During OperationConductor Cross-sectionNom.18AWGDC Resistance per core at 20° Cmax Ω/km22,2During Operation° C-30° C up to 1nsulation Resistance at 20° CMutual Capacitancemax nF/km140Inductancemax mH/km1Min. Bending Radiusmm6 x cable di	0	- NF C 32-020					
- IEC 79-14         Electrical & Mechanical Data         Conductor Cross-section       Nom.       18AWG         Temperature Range:         DC Resistance per core at 20° C       max Ω/km       22,2         During Operation       ° C       -30° C up to         Insulation Resistance at 20° C       min Ω*km       25         Mutual Capacitance       max nF/km       140         Inductance       max mH/km       1         Min. Bending Radius       mm       6 x cable di		- 11					
Electrical & Mechanical Data         Conductor Cross-section       Nom.       18AWG         DC Resistance per core at 20° C       max Ω/km       22,2         During Operation       ° C       -30° C up to         Insulation Resistance at 20° C       min Ω*km       25         Mutual Capacitance       max nF/km       140         Inductance       max mH/km       1         Min. Bending Radius       mm       6 x cable di		- IEC 79-14					
DC Resistance per core at 20° Cmax Ω/km22,2During Operation° C-30° C up toInsulation Resistance at 20° Cmin Ω*km25During Installation° C-5° C up toMutual Capacitancemax nF/km140Inductancemax mH/km1Min. Bending Radiusmm6 x cable di	Electrical & Mechanical Data						
DC Resistance per core at 20° Cmax Ω/km22,2During Operation° C-30° C up toInsulation Resistance at 20° Cmin Ω*km25During Installation° C-5° C up toMutual Capacitancemax nF/km140Inductancemax mH/km1Min. Bending Radiusmm6 x cable di							
Insulation Resistance at 20° Cmin Ω*km25During Installation° C-5° C up toMutual Capacitancemax nF/km140Inductancemax mH/km1Min. Bending Radiusmm6 x cable di	Conductor Cross-section	Nom.	18AWG	Temperature Range:			
Mutual Capacitance     max nF/km     140       Inductance     max mH/km     1     Min. Bending Radius     mm     6 x cable di	DC Resistance per core at 20° C	max Ω/km	22,2	During Operation	°C	-30° C up	to +105°C
Inductance max mH/km 1 Min. Bending Radius mm 6 x cable di	Insulation Resistance at 20° C	min Ω*km	25	During Installation	°C	-5° C up	to +50°C
8	Mutual Capacitance	max nF/km	140				
Test Voltage - Core/Core V 2000 Max Pulling Tension N/mm2 164	Inductance	max mH/km	1	Min. Bending Radius	mm	6 x cable	diameter
	Test Voltage - Core/Core	V	2000	Max Pulling Tension	N/mm2	1	64
Test Voltage - Core/Screen V 2000 Weight Approx kg/km 89	Test Voltage - Core/Screen	V	2000	Weight Approx	kg/km	8	39

Issued by: sabrina Prepared by RAMCRO Tech Creator: LDG

L/R Ratio

**Operating Voltage** 

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25

300

max μH/Ω

v



15

A ramoro

Stamna nor uso intorno