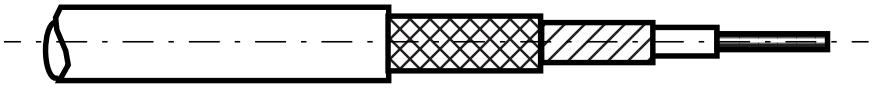
Uppgjord (även faktaansvarig om annan) - *Prepared (also subject responsible if other)*		Nr - *No.*		
EMWCCR		1301-TZC 500 32 Uen		
Dokansv/Godkänd - *Doc respons/Approved*	Kontr - *Checked*	Datum - *Date*	Rev	File
MO/EAB/JP/D Christer Claesson		2006-02-17	K	

COAXIAL CABLE

1 GENERAL

Low loss coaxial cable up to 4 GHz.
Modified RG - 8.
Halogen free.



2 DESIGN

2.1 CONDUCTOR AWG10

Solid copper or copper clad aluminium:OD = 2.74 mm ± 0.025 mm

2.2 DIELECTRIC

Extruded foamed polyethylene (PE):OD = 7.25 mm ± 0.13 mm
The dielectric shall adhere to the centre conductor.

2.3 SHIELDING

Tinned plated copper wire (dia 0,15 mm) over wrapped Al-foil bonded to the dielectric.100% foil coverage and minimum 85% braid coverage.
OD = max 8.24 mm

2.4 JACKET

Extruded black polyethylene (LDPE).
OD = nom 10.16 mm ± 0.20

3 LIMITING VALUES

3.1 ELECTRICAL VALUES

Parameter	Symbol	Conditions	Values	Unit
Impedance	Z		50 ± 2	Ω
Frequency range	f		DC-4	GHz
Capacitance	C		78	pF/m
Conductor resistance DC	R_C	max.	4.6	Ω/Km
Shield resistance DC	R_S	max.	5.9	Ω/Km
Loop resistance DC	R_L	max.	10.0	Ω/Km
Maximum attenuation at frequency:		140 MHz 350 MHz 900 MHz 1800 MHz 1900 MHz	6.0 9.0 15.0 21.0 22.0	dB/100 m
Rated Voltage	U_R		600	V AC
Breakdown voltage	U_{break}		2600	V DC
Tensile strength		Cable	> 1500	N

3.2 MECHANICAL VALUES

Parameter	Symbol	Conditions	Values	Unit
Dielectric adhesiveness to centre conductor		According to 1521-TZC 500 32.	> 80	N
Bending radius static			min. 100	mm

3.3 ENVIRONMENTAL RESISTANCE

Temperature range - 40....+ 80 ˚C

4 MARKING

The cable shall be marked with at least the following text along the outside of the sheat, per metre if not otherwise is stated below the table:

ERICSSON PPP PPP PP YYWW BBBBB LLLLL **M**

PPP... = Part number, TZC 500 32.
YYWW = Year and week of manufacture.
BBBBB = Batchnumber (optional marking).
LLLLL = Sequential length markers with a pitch of maximumo two meters, continuous length marking is allowed

The marking shall be resistant to mechanical wearing that can arise under normal handling, storing and operation.

5 DELIVERY

Reel max OD 600 mm. Delivery lenths, see product list.

6 REFERENCES

1521 - TZC 500 32

7 INTERNAL INFORMATION

7.1 STORAGE

Spool must stand up (horizontal axis).

8 PRODUCT LIST

Product code Purchased	Delivery lengths	Weight
TZC 500 32	Continious lengths min 300m, max 600m. Nominal length 500m	128 kg/km
TZC 500 32/10	Continious lenths min 10m, max 12m. Nominal length 10m	TBD kg/km
TZC 500 32/25	Continious lenths min 25m, max 30m. Nominal length 25m	TBD kg/km
TZC 500 32/50	Continious lenths min 50m, max 55m. Nominal length 50m	TBD kg/km
TZC 500 32/100	Continious lenths min 100m, max 110m. Nominal length 100m	TBD kg/km
TZC 500 32/200	Continious lenths min 200m, max 210m. Nominal length 200m	TBD kg/km
TZC 500 32/500	Continious lenths min 500m, max 520m. Nominal length 500m	128 kg/km

9 REVISION RECORDS

Rev	Description
B	Jacket changed to polyethylene. Values changed for maximum attenuation in table 3.1.
C	Para 2.1, copper clad aluminium changed to solid copper. Para 5, 38 kg/km changed to 128 kg/km.
D	Paragraph 4, 5, 6 is added to the specification. Tensile strength is added to table 3.1.
E	Para 2.1, 2.2, 2.3 and 2.4 text and dimensions added.
F	Paragraph 4 - manufacturer and date of manufacturing added Paragraph 5 - length of delivery changed from 500 to min 300 and max 600.
G	Product TZC 50032/500 added. Delivery lengths moved from para. 5 to para. 8.
H	2.2: Changed 7,37 to 7,25. 2.3: Added dia 0,15. Changed Al-foil to Al/Pet/Al-foil and 8,26 to max 8,24. 2.4: Changed 10,16 0,25 to 10,16 0,20
J	3.1 Attenuation for 1800 and 1900 MHz added
K	1: Requirement for halogen free added 2.1: Copper clad aluminium added as option to solid copper. 3.1: Requirement for conductor and shield resistance changed. 3.1: Requirement for loop resistance added 3.1: Requirement for attenuation changed at 1800MHz and 1900MHz. 3.1: Requirement for velocity of propagation deleted. 3.2: Requirement for the dielectric adhesiveness to centre conductor added. 3.3: Requirements for upper temperature decreased to + 80 ˚C. 6: References added 8: New lengths (product numbers) added to product list.